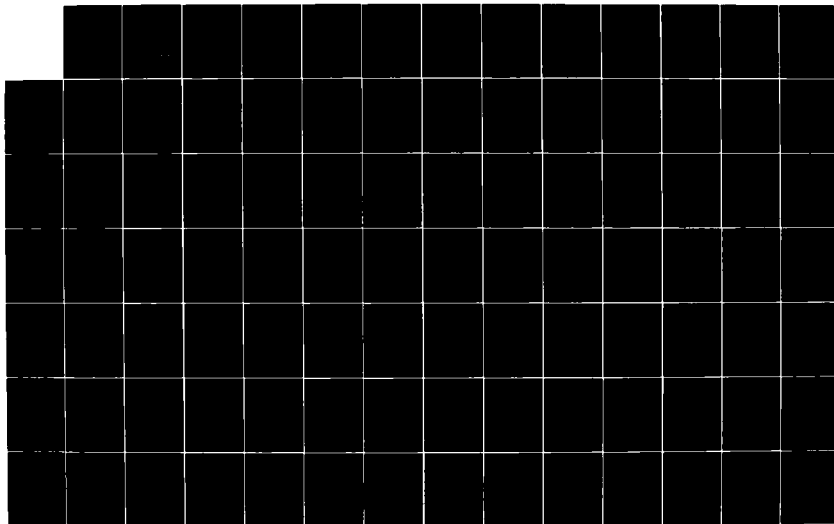
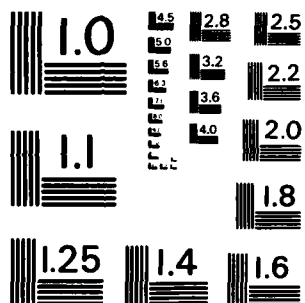


AD-A134 208 FINTHEN AAF GERMANY (WEST) LIMITED SURFACE OBSERVATIONS 1/4  
CLIMATIC SUMMARY (...U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT AFB 05 AUG 83  
UNCLASSIFIED USAFETAC/DS-83/036 SBI-AD-E850 426 F/G 4/2 NL





MICROCOPY RESOLUTION TEST CHART  
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U 6 AUG 1983

"LIMITED SURFACE OBSERVATIONS"  
CLIMATIC SUMMARY "LISOCs"

PINTHER AFB DL MAG #106375  
N 49 53 002 01 ELEV 740 FT 1001

DATE A-F HOURS OBSERVED: 0500Z - 1000Z

PERIOD OF RECORD:  
HOURS OBSERVED: FEB 73 - MAY 81  
SUMMARY OF DAY DATA: NONE

TIME CONVERSION GMT TO DAT: +1

AUG 05 1983

DISTRIBUTION STATEMENT A  
Approved for public release  
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS-83/036	2. GOVT ACCESSION NO. <b>AD-A134208</b>	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Limited Surface Observations Climatic Summary (LISOCs) - FINTHEN AAF, GERMANY (WEST)		5. TYPE OF REPORT & PERIOD COVERED Final Rept
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/TS Air Weather Service (MAC) Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE Aug 83
		13. NUMBER OF PAGES 270
		15. SECURITY CLASS. of this report UNCLASSIFIED
		15a. DECLASSIFICATION DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES Limited-duty weather observation site.		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
*LISOCs	Climatology	Weather conditions
*RUSSWO	Surface winds	Relative humidity
*Climatological data	Sea-level pressure	Station pressure
Psychrometric summary	Atmospheric pressure	Ceiling versus Visibility
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is similar to a Revised Uniform Summary of Surface Weather Observations (RUSSWO) except the summary generated is from data observed at limited-duty observation sites. This summary is blocked based on the normal hours of observation and only those tables using hourly data are presented. Caution must be exercised when using these summaries as the data reflect conditions occurring only during limited duty hours of operation. This report is a five-part statistical summary of surface weather observations for FINTHEN AAF, GERMANY (WEST)		

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)



SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\*GERMANY (WEST)  
\*FINTHEN  
\*FINTHEN AAF  
DL106335

20. It contains the following parts: (A) Weather Conditions; (C) Surface Winds; (D) Ceiling Versus Visibility; (E) Psychrometric Summaries (psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard deviations and observation counts of station and/or sea-level pressure). Summaries in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

Accession For	
NTIS GRA&I	<input checked="checked" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A	

01436-000  
Adm 3  
0100

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

Since Finthen AAF, DL is a part time observing station, we partitioned the data to use only those observations from 0500Z to 1900Z. The hourly data 2000Z to 0400Z were not used in the production of this summary. This is done to reduce any bias in the summaries which could result from using those infrequent observations outside the normal operating hours.

The remaining summaries contain serious misleading values that if used would present gross inaccurate climatology for the station, therefore the "ALL ALL" summaries were removed (because they do not represent the "ALL" hours summaries):

SECTION A Weather Conditions

SECTION C Surface Winds

SECTION D Ceiling Versus Visibility

SECTION E Psychrometric Summary and Relative Humidity

The remaining Hourly Summaries must be used with caution and the following values NOT USED: TOTALS, MEANS AND STANDARD DEVIATIONS. (The values are for 0500Z to 1900Z only and not for a 24 hour period).

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

USAFETAC

LIMITED SURFACE OBSERVATIONS  
CLIMATIC SUMMARIES (LISOCs)  
HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at established hourly intervals.

SUMMARY OF THE DAY OBSERVATIONS

Summary of the day observations are selected from all data recorded on reporting forms and combined into these observations (records, record-specials, locals, summary of day, remarks, etc.).

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the LISOCs and the manner of presentation. Tabulations are prepared from observations recorded by stations operated by the US Services and some foreign stations using similar reporting practices.

Unless otherwise noted, the following summaries are included in this LISOCs:

PART A: WEATHER CONDITIONS

PART B: NO OR INSUFFICIENT  
DATA AVAILABLE\*

PART C: SURFACE WINDS

PART D: CEILING VERSUS VISIBILITY

SKY COVER

\*PRECIPITATION, SNOWFALL AND SNOW DEPTH

PART E: DAILY HIGH, LOW, AND MEAN TEMPERATURES

MAX HIGH AND MIN LOW TEMPERATURES

PSYCHROMETRIC: DRY VS WET BULB

MEAN AND STD DEV. (DRY BULB, WET BULB,  
AND DEW POINT TEMPERATURES)

RELATIVE HUMIDITY

PART F: STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 local standard time (LST).

STATION NO OR SUMMARY		STATION NAME		LATITUDE		LONGITUDE		STATION ELEV (FT)		CALL SIGN		RMO NUMBER	
106335		PINTHEN GERMANY AAF		N 49 58		E 008 09		760		EDOT			
<b>STATION LOCATION AND INSTRUMENTATION HISTORY</b>													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE NSL		OBS PER DAY				
			FROM	TO			STATION (FT)	BAROMETER					
1	Pinthen Germany	AAF	Feb 62	Feb 63	N 49 58	E 008 03	745	764	14				
2	No change	AAF	Mar 63	Oct 64	No chge	E 008 09	755	765	14				
3	No change	AAF	Nov 64	Oct 66	No chge	No chge	No chge	No chge	24				
4	No change	AAF	Nov 66	Jul 67	No chge	No chge	769	N/A	17				
5	No change	AAF	Aug 67	Dec 70	No chge	No chge	No chge	751	17				
6	No change	AAF	UNK	Mar 83	No chge	No chge	No Chge	751	17				
7	No Change	AAF	Apr 83		No Chge	No Chge	760	750	17				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	1 Feb 62 to 28 Feb 62	Located on top of base operations bldg.	AM/GNQ-1	None	40 ft	
2	Mar 62 to Feb 63	No change	No chge	None	25 ft	
3	Mar 63 to Jan 64	Located approx. 75 yds S of Rwy.	AM/GNQ-1	None	8ft	
4	Feb 64 to Feb 65	Located 350 ft S of Rwy 08/26.	No chge	None	15 ft	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
5	Mar 65 to Jul 67	Located 425 ft S of Rwy 08/26, centerline, 1148 ft E of end of Rwy 08.	No chge	None	No chge	
6	Aug 67 to Dec 70	Located 446 ft S of Rwy 08/26 centerline, 860 ft E of end Rwy 08.	No chge	RO-2	13 ft.	
7	UNK to Apr 83	Located approximately 425 ft South of Rwy 08/26	GMQ 11	None	No Chge	
8	UNK to Apr 83	Located in tower	No Chge	RO 362	766 ft	

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

106335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

JAN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02												
	03-05		15.8		5.3		21.1	30.3	5.3			35.5	76
	06-08		14.4	.9	9.2		23.9	39.4	4.2			43.7	568
	09-11		13.7	1.2	7.4		21.8	39.1	5.9			45.0	591
	12-14		10.6	.7	6.2		17.2	37.0	12.5			49.6	583
	15-17	.2	10.5	.2	4.6	.2	14.9	33.6	16.5	.2		50.3	583
	18-20		8.3	.2	5.1		13.0	39.6	11.2			50.9	507
	21-23												
TOTALS		.0	12.2	.5	6.3	.0	18.7	36.5	9.3	.0		45.8	2908

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

106335 FINTHEN AAF, DL

73-81

FEB

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02												
	03-05		12.9		2.9		14.3	37.1	12.9			50.0	70
	06-08		10.3	.2	6.0		15.6	44.2	12.8			57.0	514
	09-11		9.7	.2	10.8		20.3	36.9	18.0			54.8	518
	12-14		10.6		6.4		16.1	27.1	25.7			52.8	517
	15-17		10.0	.2	5.8		15.4	19.1	28.3			47.4	519
	18-20		11.8		5.9		17.6	25.3	21.8			47.1	459
	21-23												
TOTALS			10.9	.1	6.3		16.6	31.6	19.9			51.5	2597

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

100335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81

YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02												
	03-05		14.1		5.1		17.9	20.5	16.7			37.2	78
	06-08		13.8		3.4		16.4	29.6	16.2			45.8	587
	09-11		11.8		2.9		14.5	26.4	21.9			48.3	594
	12-14		9.5		2.1		11.4	12.0	31.0			43.0	581
	15-17		11.7		2.2		13.6	3.9	31.2			35.0	597
	18-20		14.4		1.9		16.0	7.0	27.8			34.8	526
	21-23												
TOTALS			12.6		2.9		15.0	16.6	24.1			40.7	2963

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

10-335  
STATION

FINTHER AAF, DL  
STATION NAME

73-81

YEARS

APR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02												
	03-05		7.0		1.7		7.8	27.8	11.3			39.1	115
	06-08		10.6		1.8		11.9	28.1	13.5			41.6	555
	09-11		6.6		2.3		7.7	11.5	26.7			38.2	558
	12-14	.4	9.9		1.2		10.5	3.6	19.0			22.6	563
	15-17	.9	9.7		1.4		11.0	2.7	14.0			16.7	556
	18-20	1.6	11.4		.4		11.8	3.7	8.0			11.6	490
	21-23												
TOTALS		.5	9.2		1.5		10.1	12.9	15.4			28.3	2837

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

10335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81

YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02												
	03-05		10.7				10.7	25.9	8.0			33.9	112
	06-08	.2	11.4				11.4	20.7	12.1			32.9	535
	09-11	.2	11.5				11.5	10.6	21.6			32.2	556
	12-14	.2	9.4		.2		9.4	4.0	13.6			17.6	552
	15-17	1.5	9.5				9.5	3.2	9.5			12.7	535
	18-20	.8	7.4				7.4	2.3	8.3			10.5	484
	21-23												
TOTALS		.5	10.0		.0		10.0	11.1	12.2			23.3	2774

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

106335 FINTHEN AAF, DL

73-81

JUN  
MONTH

STATION

STATION NAME

YEARS

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	00-02												
	03-05	.8	8.3				8.3	28.9	9.1			39.0	121
	06-08	1.3	8.6				8.6	23.5	12.1			35.6	537
	09-11		8.6				8.6	9.8	19.3			29.1	560
	12-14	.9	9.3				9.3	2.7	12.7			15.4	559
	15-17	1.7	9.1			.2	9.3	1.5	7.6			9.1	536
	18-20	3.9	9.3				9.3	2.6	7.8			10.3	464
	21-23												
TOTALS		1.4	8.9			.0	8.9	11.5	11.4			22.9	2777

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

106335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

JUL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-02												
	03-05		8.7				8.7	28.6	11.1			39.7	126
	06-08	.5	10.1				10.1	26.1	9.8			35.8	583
	09-11	1.0	10.8				10.8	9.8	16.6			26.4	602
	12-14	.8	9.3				9.3	3.2	9.3			12.1	602
	15-17	2.0	9.4				9.4	1.5	4.4			6.0	586
	18-20	1.2	9.1				9.1	3.0	4.3			7.3	506
	21-23												
TOTALS		.9	9.6				9.6	12.0	9.2			21.2	3705

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

1 6335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

AUG  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02												
	03-05		6.6				6.6	38.5	6.6			45.1	122
	06-08		7.5				7.5	37.3	12.8			50.1	585
	09-11	.5	7.4				7.4	16.4	31.4			47.8	611
	12-14	.5	7.7				7.7	3.0	24.8			27.8	609
	15-17	1.5	6.6				6.6	2.2	15.3			17.5	587
	18-20	.8	6.3				6.3	3.6	13.8			17.4	507
	21-23												
TOTALS		.6	7.0				7.0	16.8	17.5			34.3	3021



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

## WEATHER CONDITIONS

1 6335 FINTHEN AAF, DL

73-81

SEP

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND, OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	00-02												
	03-05		7.5				7.5	51.4	3.7			55.1	107
	06-08		7.9				7.9	48.6	6.7			55.3	492
	09-11	.2	6.0				6.0	30.6	23.3			53.9	503
	12-14		7.0				7.0	6.8	32.4			39.2	497
	15-17	.4	9.1				9.1	3.1	23.2			26.3	483
	18-20	.5	9.0				9.0	8.2	20.2			28.4	391
	21-23												
TOTALS		.2	7.8				7.8	24.8	18.3			43.0	2473

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

100335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

OCT  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02												
	03-05		8.5				8.5	56.4	1.1			57.4	94
	06-08		14.4				14.4	54.4	4.8			59.1	563
	09-11		11.6		.3		11.8	44.8	12.5			57.3	576
	12-14	.2	9.2				9.2	26.6	24.1			50.7	568
	15-17	.2	9.2				9.2	19.0	20.1			39.2	567
	18-20	.4	12.4				12.4	22.6	11.3			34.0	477
	21-23												
TOTALS		.1	10.9		.1		10.9	37.3	12.3			49.6	2845

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

106335

FINTHEN AAF, DL

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02												
	03-05		18.3	1.1	3.2		22.6	30.1	1.1			31.2	93
	06-08		15.9	.6	3.6		19.9	41.3	1.5			42.8	528
	09-11		14.9	.2	4.6		19.4	37.0	5.0			41.9	525
	12-14		12.2	.4	2.4		14.3	28.7	11.3			40.0	533
	15-17		11.2		1.9		12.5	22.8	14.4			37.3	526
	18-20		12.3	.5	1.8		14.4	27.8	8.3			35.8	439
	21-23												
TOTALS			14.1	.5	2.9		17.2	31.3	6.9			38.2	2644

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

10-335 FINTHAM AAF, DL

73-81

DEC

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	00-02												
	03-05		19.0				19.0	39.3	4.8			44.0	84
	06-08		16.9	1.0	6.5		24.2	39.9	3.1			43.0	521
	09-11		16.6	1.1	7.9		24.9	35.7	5.0			40.7	543
	12-14		14.4	.9	8.2		22.8	29.9	9.0			38.9	535
	15-17		14.6	.2	7.6		21.9	31.6	10.4			42.0	512
	18-20		16.3		7.0		20.9	33.1	7.8			41.0	344
	21-23												
TOTALS			16.3	.5	6.2		22.3	34.9	6.7			41.6	2539

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- \*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- \*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 5335      FINTHEN AAF, DL      73, 75-79      JAN  
STATION      STATION NAME      YEARS      MONTH  
ALL WEATHER  
CLIM  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3										1.3	6.0
NNE													
NE													
ENE	1.3	3.9										5.3	4.3
E	2.6	3.9	3.9	1.3								11.8	6.0
ESE		1.3										1.3	4.0
SE	1.3											1.3	2.0
SSE	1.3		1.3									2.6	5.5
S		2.6	2.6									5.3	7.0
SSW			5.3	1.3								6.6	10.0
SW		2.6	1.3	1.3								14.5	8.5
WSW	1.3	3.9	1.3	5.3	2.6							14.5	10.6
W	1.3	2.6	3.9	2.6	1.3							11.8	9.2
WNW		1.3		1.3								2.6	8.5
NW	1.3		1.3									2.6	5.5
NNW	1.3				1.3							2.6	11.0
VARBL													
CALM												15.3	
	11.8	23.7	37.3	13.2	5.3							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 75

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 335 FINTHEN AAF, DL 73-81 YEARS MONTH JAN  
STATION STATION NAME CLAS 0600-0800  
ALL WEATHER  
CLAS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5										.5	6.0
NNE	.2	1.4	.2									1.8	5.0
NE	.4	1.1	.7									2.1	6.1
ENE	.9	1.8	1.4	.2								4.2	6.0
E	2.6	4.6	3.3	.5								11.1	5.6
ESE	1.2	.7	.2									2.1	3.9
SE	.9	.2										1.1	2.7
SSE	.9	2.1	1.2	.5								4.8	6.2
S	1.4	2.3	2.3	.7								6.7	6.4
SSW	1.2	2.6	3.3	.9								6.1	6.9
SW	1.1	2.1	6.0	3.5								12.7	8.6
WSW	2.3	2.3	3.7	2.5	1.6							12.3	5.9
W	1.6	1.9	1.8	2.3	.5							6.1	6.7
WNW	1.2	1.4	1.1	.5								4.2	6.4
NW	.4	.4	.7	.4	.5							2.3	10.4
NNW	.4	.2	.7									1.2	5.4
VARBL				.2								.2	15.0
CALM												16.5	
	16.5	25.5	26.6	12.1	2.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 568

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1 335 STATION NAME FINTHEN AAF, DL YEARS 73-81 MONTH JAN  
CLASS ALL WEATHER HOURS 0900-1100  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0											1.0	2.2
NNE	.5	.7	.3									1.5	4.6
NE	.2	.8	1.0									2.0	6.3
ENE	1.5	3.7	1.5	.2								6.9	5.3
E	2.9	4.6	2.0	1.4								15.8	5.9
ESE	.7	.3										1.0	3.7
SE	1.0	1.0	.5									2.5	4.5
SSE	.3	1.5	1.4	1.0								4.2	7.8
S	1.9	2.2	1.9	.7	.2							6.8	6.4
SSW	1.2	.5	2.4	1.7								6.1	8.0
SW	1.4	3.0	5.6	2.7								12.7	8.1
WSW	1.5	2.4	3.7	4.1	.7	.3						12.7	9.5
W	2.0	1.0	1.9	3.4	.2	.2						8.6	9.1
WNW	.8	1.0	.8	.5		.2						3.4	7.5
NW	.8	.5	1.5	.5								3.4	7.7
NNW	.7	.5	.2	.2								1.5	5.1
VARBL			.5	.2								.7	10.0
CALM												14.0	
	19.4	24.2	25.2	16.4	1.0	.7						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 591



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.5										.5	3.1
NNE	.5											.5	2.7
NE		.5	.7	.5								1.9	5.2
ENE	2.4	2.0	1.5	.7								7.6	5.4
E	1.5	5.4	3.3	1.4								12.5	6.5
ESE	1.7	1.7	.3									2.4	4.4
SE	.5	.5	.2									.9	4.4
SSE	1.2	1.2	1.4	1.0								4.8	7.1
S	2.1	1.7	1.3	1.2								6.0	5.8
SSW	1.7	2.6	2.6	1.5								5.4	7.0
SW	.5	2.1	5.0	2.9	.5							11.0	9.0
WSW	.7	2.2	4.8	5.3	.5	.2						13.7	10.5
W	.5	2.1	3.1	2.2	1.7							8.9	9.8
WNW	1.0	1.2	.9	.5	.3							4.0	7.6
NW	.2	.5	.9	.2								1.7	7.7
NNW		1.0	1.2	.5								2.7	8.1
VARBL					.2							.3	16.5
CALM												11.0	
	14.6	26.6	26.8	19.7	2.7	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

582

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1973 FINTHEN AAF, DL 73-91 JAN NORTH  
STATION NAME YEARS  
ALL WEATHER CLASS  
CONDITION

1900-1700 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.3	.2								1.5	4.9
NNE	.7	.2	.7									.5	5.7
NE	1.2	1.0	.5									2.7	4.2
ENE	.1	1.3	2.1	.5								5.7	5.9
E	4.2	4.8	2.4	1.7								12.7	5.8
ESE	.7	.7	.7	.2	.2							2.6	6.3
SE	.9	.9	.3									2.1	4.6
SSE	2.4	3.7	2.1	.5								7.2	6.4
S	.1	3.3	1.4	.5								7.2	5.5
SSW	1.2	1.7	1.4	.5								4.8	6.1
SW	.5	3.7	3.3	2.9	.2							9.5	5.9
WSW	.5	2.2	5.7	2.9	1.9	.3						12.9	10.7
W	.5	1.5	5.7	3.4		.2						11.0	9.6
WNW	.5	.7	1.2	.5	.2							3.1	6.4
NW	.2	.7	.7									1.5	6.1
NNW	1.0	.6	1.5	.2								3.1	5.8
VARBL			.7	.2	.3							.9	14.5
CALM												11.5	
	17.1	24.6	27.8	14.3	2.7	.5						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 502

U.S. AIR FORCE CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 335 FINTHEN AAF, DL 77-81 JAN 1900-2000  
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)  
ALL WEATHER  
CLAS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.4	.2									1.4	4.6
NNE	.6	.6										1.2	3.8
NE	1.4	.2	.2									1.9	3.7
ENE	1.6	2.5	1.0	.6								5.7	5.4
E	3.7	3.0	1.4	1.2								11.2	6.0
ESE	.4	.5	.8	.4								2.6	6.5
SE	.6											.6	2.3
SSE	2.2	1.1	2.4	.2								6.5	5.3
S	2.5	2.1	1.8	1.0	.2							7.7	6.1
SSW	1.4	1.1	1.6	.6								5.3	6.1
SW	.3	1.4	5.5	2.0	.6							10.3	9.2
WSW	.1	.6	3.7	4.7	.6							10.5	10.4
W	.6	1.2	3.6	2.8	.2							8.3	9.5
WNW	.2	1.2	2.2	1.0	.2							5.3	8.2
NW		.1	.2	.4								1.4	7.6
NNW	.4	.6	.6									1.6	5.4
VARBL			.2	.4								.6	10.7
CALM												16.1	
	16.9	18.7	27.2	15.2	1.8							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 507

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 1 335 STATION NAME FINTHEN AAF, DL YEARS 73-81 MONTH JAN  
CLASS ALL WEATHER ALL  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.4	.1	.0								1.2	4.0
NNE	.4	.5	.1									1.1	4.5
NE	.7	.8	.6	.1								2.1	5.6
ENE	1.7	2.4	1.5	.4								6.0	5.5
E	2.9	4.6	2.9	1.2								11.7	6.0
ESE	.9	.7	.4	.1	.7							2.1	5.1
SE	.7	.5	.2									1.4	3.9
SSE	1.4	1.7	1.7	.7								5.4	6.2
S	2.6	2.3	1.7	.8	.1							6.8	6.1
SSW	1.3	1.9	2.3	1.1								6.6	7.0
SW	.8	2.3	5.2	2.8	.2							11.3	8.7
WSW	1.2	2.7	4.1	3.9	1.1	.2						12.5	10.0
W	1.1	1.5	3.1	2.8	.4	.1						9.1	9.3
WNW	.9	1.1	1.2	.6	.1	.0						3.9	7.6
NW	.3	.6	.8	.3	.1							2.1	6.0
NNW	.5	.6	.7	.2	.7							2.1	6.4
VARBL			.2	.2	.1							.5	12.9
CALM												14.1	
	17.3	24.1	26.8	15.2	2.3	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 2926

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

100335 FINTHEN AAF, DL

73, 75-77, 79

PER MONTH

ALL WEATHER  
CLAS

0700-0900  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4											1.4	1.2
NNE		1.4										1.4	4.0
NE		1.4	1.4									2.9	6.5
ENE	4.3	2.9	4.3	1.4								13.0	6.0
E	9.7	5.8	2.9	4.3								21.7	5.7
ESE													
SE													
SSE	1.4	2.9										4.3	3.0
S			1.4	1.4								2.9	10.0
SSW	2.9		2.9	1.4								7.2	6.6
SW		1.4	5.8	2.9								10.1	9.6
WSW		2.9	5.8									6.7	6.0
W		1.4		2.9								4.3	10.0
WNW	1.4											1.4	3.0
NW				1.4								1.4	12.0
NNW		1.4										1.4	4.0
VARBL													
CALM												17.4	
	20.3	21.7	24.6	15.9								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 69

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 335 FINTHEX AAF, DL

73-81

FEB  
MONT

ALL WEATHER  
CLASS

2400-2600  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.4	.4		.2							1.9	5.7
NNE	.5	1.0	.2									1.9	3.7
NE	.6	1.0	1.2									2.7	5.9
ENE	3.1	7.4	6.0	1.2								17.7	6.3
E	2.4	4.9	3.0	1.6								12.9	6.2
ESE	.8	.4										1.2	3.0
SE	.6		.6									1.2	5.8
SSE	.4	.6	.8									1.8	5.7
S	1.4	1.2	1.2	.4								4.5	5.5
SSW	1.0	1.4	3.1	.6								6.6	6.7
SW	1.0	1.0	4.5	1.6	.2							8.6	8.5
WSW	1.0	1.4	4.9	.6	.4							9.2	7.4
W	.1	1.4	1.6	1.2	.2							6.6	6.4
WNW	.6	.2	1.4	.2	.2							2.5	7.8
NW	1.0	.4	.4	.4								2.1	5.9
NNW	.2	.4		.2								.8	6.0
VARBL													
CALM												17.5	
	21.1	23.4	29.6	8.2	1.2							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

513

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17-35 STATION FINNEN AAF, DL 73-81 YEARS FEB NORTH  
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)  
CONDITION

SPEED (KTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.0	.2									1.9	3.7
NNE	.5	1.0	.6									2.3	4.9
NE	1.5	1.5	1.0	.2								4.2	4.9
ENE	1.9	3.7	6.5	2.3								13.9	7.3
E	3.1	3.7	7.9	3.1								16.8	7.7
ESE	.2		.2									.4	4.5
SE	.4	1.4										1.7	4.4
SSE	.4	1.2	.4	.4								2.3	5.8
S	1.2	2.3	1.7	.2								5.4	5.8
SSW	.6	.8	2.3	1.4								5.2	8.3
SW	1.4	1.4	2.7	1.9	.2	.4						7.9	9.0
WSW	1.0	1.5	4.1	2.7	.2							10.4	8.2
W	1.7	1.7	2.3	.6								6.6	6.3
WNW	.2	.6	1.9									2.7	7.6
NW	.2	.2	1.0	.2	.2							1.7	9.3
NNW	.8	.6	.2		.2							1.7	5.0
VARBL			.2	.8								1.2	12.8
CALM												13.7	
	16.2	22.4	32.6	13.9	.8	.4						100.3	6.2

TOTAL NUMBER OF OBSERVATIONS 518

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106305  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

FEB  
MONTH  
1200-1400  
HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.2	.8									2.7	5.4
NNE	.2	1.0	1.0									2.1	5.2
NE	1.2	.3	.6	.2								2.7	5.2
ENE	1.7	4.8	6.8	2.5								15.9	7.4
E	1.7	4.3	6.4	1.6								14.5	7.0
ESE	.2	.3	.2									1.2	4.7
SE	.4	.3	1.2									2.3	6.1
SSE	1.2	1.7	1.0	.2								4.1	5.7
S	1.7	2.1	.8	.2								4.8	4.8
SSW	1.4	1.5	.6	1.2								4.1	6.8
SW	.6	1.7	1.7	3.3	1.7							8.3	10.4
WSW	.6	2.1	2.5	2.9	1.7	.2						12.1	10.8
W	1.5	1.7	2.9	3.7	.6	.2						10.1	10.2
WNW	.6	.4	.8	.2								1.9	6.6
NW	.3	.6	1.2	1.4								3.7	6.8
NNW	.4	.4	.2	.6								1.6	7.1
VARBL			.8									.8	6.5
CALM												9.1	
	14.1	26.7	29.3	17.8	3.3	.4						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 516



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

104705  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	.6									1.1	5.5
NNE	.4	1.5	1.0									2.7	5.9
NE	1.5	1.0	1.0	1.3								4.4	7.1
ENE	2.1	2.1	4.2	1.3								6.3	6.9
E	1.7	6.4	4.8	2.9								15.3	7.1
ESE	1.7	.6	.6									2.3	4.3
SE	.6	1.5	1.2									3.3	5.7
SSE	1.2	2.9	1.2	.2								5.4	5.6
S	1.5	1.7	.6	.4								4.4	5.7
SSW	1.2	2.3	1.7	.2								4.6	5.1
SW	1.0	1.7	2.1	1.5	.2	.2						6.7	6.3
WSW	1.5	2.1	3.9	4.6	1.0							13.1	9.4
W	1.3	1.3	3.3	2.3	.6	.4						9.2	9.4
WNW		.6	1.2	.2	.2							2.3	6.9
NW	.2	.6	1.0	.4								2.1	7.6
NNW	.7	1.7	1.2	.4								2.7	7.4
VARBL			.2	.2								.4	12.0
CALM												7.7	
	15.8	28.9	28.9	16.7	1.9	.6						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

519

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10135 STATION NAME FINTHEN AAF, DL YEARS 73-61 FES 85  
 CLASS ALL WEATHER HOURS (L.S.T.) 1800-2000  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	.4									2.5	4.8
NNE	.4	2.4	1.3									4.1	5.7
NE	.7	2.2	.9									3.7	5.3
ENE	.2	1.5	2.4	2.2	.2							8.5	7.5
E	3.5	5.5	3.3	1.7								14.7	6.1
ESE	1.7	1.5	.7									3.9	4.1
SE	1.3	.4										1.7	3.5
SSE	.4	1.7	.4									2.5	5.1
S	2.1	2.4	1.1	.7								6.6	5.6
SSW	.2	2.2	1.3	.7	.2							4.6	7.4
SW	.9	2.2	2.8	2.0	.4							8.3	8.6
WSW	.4	3.3	3.3	3.6								10.9	8.7
W	.7	1.5	2.8	1.5								6.6	8.0
WNW	.7	.7	.7	.2								2.2	6.2
NW	.2	.7	.7									1.5	6.4
NNW		.6	.4									1.3	6.8
VARBL			.2									.2	8.0
CALM												16.6	
	16.4	30.6	22.7	12.9	.9							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 458

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

17-735 STATION FINTHEN AAF, DL 73-81 YEARS FEB MONTH ALL HOURS (L & Y.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.9	.5		.7							2.2	5.0
NNE	.5	1.3	.8									2.6	5.4
NE	1.1	1.3	.6	.3								3.6	5.8
ENE	2.3	3.9	5.1	1.9	.7							13.3	7.0
E	2.5	5.1	5.2	2.2								15.0	6.8
ESE	.7	.7	.3									1.7	4.1
SE	.6	.8	.6									2.2	5.3
SSE	.7	1.7	.7	.2								3.3	5.5
S	1.6	2.0	1.1	.4								5.1	5.5
SSW	1.1	1.5	1.7	.8	.7							5.1	6.9
SW	.9	1.6	2.9	2.2	.4	.1						6.2	9.0
WSW	1.2	2.2	3.8	2.9	.7	.0						10.7	9.0
W	1.3	1.6	2.5	1.9	.3	.1						7.8	6.4
WNW	.4	.5	1.2	.2	.1							2.3	7.4
NW	.4	.5	.8	.5	.0							2.2	7.9
NNW	.3	.7	.4	.2	.0							1.6	6.5
VARBL			.3	.2								.5	10.8
CALM												13.0	
	16.6	26.3	28.7	13.8	1.6	.3						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2593

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

10-335 STATION FINTHEN AAF, DL 73,75-77,81 4 AD NORTH  
STATION NAME YEARS  
ALL WEATHER CLASS 0330-0500  
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.3									1.3	8.0
NNE	2.6	2.6	2.6									7.7	5.5
NE													
ENE		6.4	6.4	3.6								16.7	8.0
E		3.6	1.3	1.3								6.4	8.0
ESE													
SE		1.3										1.3	5.0
SSE		2.6										2.6	4.0
S	1.3	1.3										2.6	3.0
SSW	1.3	1.3										2.6	4.0
SW		3.6	2.6									6.4	7.2
WSW		2.6	1.3	2.6	1.3							7.7	10.5
W	6.4	1.3	1.3	1.3								10.3	5.0
WNW	1.3	2.6										3.8	4.0
NW		5.1	1.3									6.4	5.4
NNW	1.3											1.3	2.0
VARBL			1.3									1.3	15.0
CALM												21.8	
	14.1	34.6	19.2	9.0	1.3							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 78

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 8335  
STATION

FINTHEN AAF, DL

STATION NAME

73-81

YEARS

MAC

MONTH

ALL WEATHER

CLASS

0600-0800

MOON (L.P.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.5	1.5	.3								3.6	6.4
NNE	.7	1.2	.3									2.2	4.5
NE	1.2	1.7	.9	.7								4.4	6.2
ENE	2.7	2.7	2.6	2.1	.2							10.3	7.1
E	1.7	2.9	1.7	.5								6.8	5.5
ESE	.3	.5	.2									1.0	4.0
SE	1.2	.3										1.5	2.9
SSE	.7	.9	.3	.9	.2							2.9	7.4
S	1.2	1.2	.7									3.1	4.2
SSW	.7	2.9	2.9	.7	.2							7.4	7.0
SW	.9	2.9	3.9	.9								8.5	7.2
WSW	2.1	2.2	3.6	3.6	.2							11.6	6.3
W	2.4	3.1	3.2	1.0								9.7	6.3
WNW	2.1	1.2	.3	.2	.2							3.9	4.8
NW	.5	1.2	.7	.3								2.7	6.3
NNW	1.4	.9	.3	1.0								3.6	6.6
VARBL													
CALM												16.6	
	20.9	26.3	23.2	12.1	.9							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

585

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 100335 FINTHEN AAF, DL STATION NAME YEAR 73-81  
CLASS ALL WEATHER  
CONDITION  
MAC MONTHS 0900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.2	1.0	.7								4.9	6.0
NNE	.5	.7	1.0	.2								2.4	6.2
NE	.8	.7	.5	.3								2.4	6.1
ENE	2.9	1.5	3.2	4.2	.3							12.2	6.7
E	3.2	3.5	3.2	1.9	.2							12.0	6.5
ESE	.5	.2	.2									.8	3.8
SE	.2	.2										.3	4.0
SSE	.7	1.2	.5	.2								2.5	5.0
S	.5	1.5	.8	.5								3.4	5.9
SSW	.8	1.5	2.2	1.0	.5							6.1	8.4
SW	1.0	2.0	4.9	2.5	.2	.3						11.0	8.9
WSW	1.2	1.7	4.6	3.5	.5	.2						11.7	9.8
W	2.5	1.5	3.2	2.9								10.1	8.1
WNW	1.0	1.2	1.4	.5	.5							4.6	7.9
NW	.7	1.0	.8	.2								2.7	5.9
NNW	.3	1.2	.5	.3								2.4	6.4
VARBL			.3		.2							.5	11.7
CALM												10.1	
	17.9	21.8	28.4	18.9	2.4	.5						170.0	7.0

TOTAL NUMBER OF OBSERVATIONS 592

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 33° FINTHEN AAF, DL 77-81 YEARS NORTH  
STATION STATION NAME CLASS 1900-1400  
HOURS (L & T)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.7	.5	.6	.2							2.4	5.4
NNE	.5	.5	1.0	.2							1.9	7.5
NE	.7	.5	.6	1.4	.2						3.1	9.9
ENE	1.4	2.1	3.8	3.5	.5						11.3	4.3
E	1.2	3.7	4.2	.2							9.4	6.7
ESE	.7	1.6	.3								2.6	4.4
SE	.2	.7	.7	.2							1.7	6.5
SSE	.7	1.4	2.6	.2							4.9	6.5
S	1.5	1.7	.7	.2							3.7	4.9
SSW	.6	1.0	2.1	.9							5.4	7.1
SW	.7	2.1	4.2	2.4	1.5	.2					10.5	9.8
WSW	1.4	1.7	3.7	6.8	1.5	.2					14.8	10.7
W	1.0	2.4	1.9	2.8	.9						9.0	9.7
WNW	.7	.9	1.5	.9							3.5	7.7
NW	.2	.2	1.5	.2							2.3	7.2
NNW	.5	1.4	1.0								3.0	5.6
VARBL		.2	3.7	1.5							4.9	9.4
CALM											5.6	
	12.0	21.2	33.4	21.2	3.7	.2					170.0	7.9

TOTAL NUMBER OF OBSERVATIONS 575

CLIMATE CLIMATOLOGY BRANCH  
AFETAC  
AF WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 337 FINTHEN AAF, DL 77-01 445  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1900-1900  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7	.7	.2								1.2	6.5
NNE	.2	.3	.5	.3								1.7	7.3
NE	.2	.7	1.0	1.5								3.7	9.0
ENE	.7	2.5	3.9	3.2	.5							10.7	9.2
E	1.2	3.2	1.4	.8								6.9	5.8
ESE	1.2	1.4	.5	.2								3.6	4.5
SE	.3	.	.5	.2								1.9	6.2
SSE	1.2	2.2	1.0	.3								5.6	6.2
S	.5	2.7	.8									4.4	5.2
SSW	.7	1.4	3.2	1.5								6.9	8.1
SW	.7	1.7	2.4	2.6	.3	.3						8.1	9.6
WSW	.7	2.0	3.2	6.3	1.9	.2						14.4	11.4
W	.7	2.0	2.2	3.0	.2							9.8	9.2
WNW	.7	1.0	1.5	.8								4.9	7.1
NW	.2	1.4	1.0	.3								4.1	7.0
NNW	.2	1.2	1.0	.3								3.4	7.5
VARBL			5.3	1.5	.2							4.7	10.5
CALM												3.4	
	11.8	26.9	30.1	24.4	3.0	.3						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 591



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-335 STATION FINTHEN AAF, DL STATION NAME 73-81 YEARS 42 NORTH  
ALL WEATHER CLASS 1800-0000 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.7	1.3									4.2	5.4
NNE	1.0	1.7	2.1	.4								5.2	6.8
NE	.5	.7	1.7	.8								5.1	7.8
ENE	1.7	2.3	2.3	1.7								7.3	7.5
E	1.7	3.8	2.5	.6								7.8	6.2
ESE	.6	1.1	.4									2.1	4.4
SE	.6	.6		.2								1.3	5.0
SSE	1.7	1.9	1.3									5.5	4.7
S	1.7	2.5	2.5	.4								7.3	6.2
SSW	1.7	2.7	3.1	1.3								8.5	7.5
SW	.6	2.9	2.5	2.1	.6							8.8	8.6
WSW	1.7	2.5	3.3	2.7	.2							9.9	8.2
W	.6	2.3	1.1	1.7								5.9	7.9
WNW	1.1	1.7	1.9	1.1								5.9	6.8
NW	.5	1.7	1.3	.4	.2							4.4	6.7
NNW	.6	1.1	1.1	.2								3.1	5.8
VARBL			.6	.2	.2							1.5	11.8
CALM												9.8	
	15.3	37.4	28.7	13.8	1.1							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 623

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10 33' FINTHEN AAF, DL

73-61

MAC

STATION

STATION NAME

YEARS

BORTH

ALL WEATHER

CLASS

ALL

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.1	1.1	.3								3.3	6.1
NNE	.0	.9	1.0	.2								2.8	6.4
NE	.7	.7	.8	.6	.0							3.3	7.8
ENE	1.7	2.3	3.2	3.0	.3							1.6	8.4
E	1.0	3.3	2.5	.8	.0							5.6	6.2
ESE	.7	.9	.3	.0								2.0	4.3
SE	.7	.6	.2	.1								1.4	5.2
SSE	1.0	1.5	1.3	.3	.0							4.1	5.9
S	1.0	2.0	1.1	.2								4.2	5.4
SSW	.8	2.0	2.6	1.1	.1							6.6	7.6
SW	.5	2.3	3.6	2.1	.4	.1						9.3	8.8
WSW	1.7	2.0	3.6	4.6	.8	.1						12.4	9.9
W	1.6	2.4	2.3	2.4	.2							9.0	8.2
WNW	1.1	1.4	1.2	.7	.1							4.5	6.8
NW	.5	1.3	1.2	.3	.0							3.3	6.6
NNW	.6	1.1	.9	.4								3.0	6.4
VARBL		.3	1.5	.5	.1							2.2	10.1
CALM												9.4	
	15.7	26.0	28.5	17.0	2.2	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

2944

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 335 FINTHEN AAF, DL 77, 75-76, 80-81  
STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
APR 80  
0300-0500  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	6.1	.9									9.6	4.4
NNE	1.7	1.7										3.5	3.3
NE	3.5	1.7	.9									6.1	3.6
ENE	1.7	2.6	.9	.9								6.1	5.3
E	1.7	1.7	.9									4.3	4.2
ESE													
SE			.9									.9	8.0
SSE	.9											.9	2.0
S				.9								.9	12.0
SSW		.9	.9	.9								2.5	8.0
SW			2.6	.9								2.5	7.3
WSW	.9	5.2	4.3	.9								11.3	6.7
W	3.5	.9	4.3									8.7	5.5
WNW	.9	4.3	3.5									8.7	6.6
NW	1.7	2.6	2.6									7.0	5.3
NNW	4.3	2.6	2.6									9.6	4.6
VARBL													
CALM												17.4	
	23.5	30.4	25.2	3.5								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 115

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1335 FINTHEN AAF, DL 77-81

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

APR MONTHS 0600-2600 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	3.8	1.6									6.1	4.6
NNE	1.3	2.5	1.1									4.9	4.9
NE	1.1	1.1	1.3	.5								4.7	5.9
ENE	1.4	3.1	3.4	.7								9.0	6.4
E	2.4	3.3	2.5	.7								7.8	5.7
ESE	.4	.2										.5	3.3
SE	.5											.5	2.3
SSE	.2											.2	2.0
S		.4	.4	.5								1.1	10.2
SSW	.2	.5	1.1	.2								2.0	6.9
SW	.9	2.2	3.3	.5								6.9	6.7
WSW	.7	2.2	4.3	2.0								9.2	6.2
W	1.5	2.2	2.7	.5	.5							7.8	7.3
WNW	1.1	1.4	3.8	.4								6.7	7.0
NW	1.1	1.3	1.3	.5								4.7	6.1
NNW	4.3	2.4	1.6	.5								8.9	4.8
VARBL			.6									.9	5.4
CALM												16.1	
	20.4	27.5	28.8	6.7	.5							170.0	5.2

TOTAL NUMBER OF OBSERVATIONS 553

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 335 FINTHEN AAF, DL 77-81 APR NORTH  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
8900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.0	2.9	.7								6.3	6.8
NNE	1.3	.5	1.8	.4								4.3	6.3
NE	.4	1.0	.7	.5								3.2	6.8
ENE	.3	2.7	4.3	3.2								12.2	6.0
E	2.0	4.5	5.8	1.1								13.3	6.8
ESE	.2	.5	.2									.9	5.6
SE	.2	.2										.4	3.5
SSE	.5	.5										1.1	3.5
S	.5	1.3	.4	.7								2.9	7.0
SSW	1.1	.7	.2	.4								2.5	4.9
SW	.5	.5	1.4	.6								3.4	8.1
WSW	1.1	2.0	3.9	3.1	.4							10.3	9.1
W	1.6	1.1	4.3	2.2	.2							9.4	8.4
WNW	1.1	.0	2.9	1.3								6.1	7.8
NW	.0	.5	1.8	1.8								5.0	8.5
NNW	3.1	2.0	2.2	.7								7.9	5.6
VARBL		.4	3.2	.7								4.3	8.9
CALM												5.9	
	17.8	22.3	35.8	17.6	.5							170.2	7.0

TOTAL NUMBER OF OBSERVATIONS 556

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1335 FINTHEN AAF, DL 73-81 APR  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
1200-1400  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.2	1.2	.9	.2							4.3	7.6
NNE	.5	.4	.5	.2	.2							1.8	7.3
NE	.7	.9	1.5	1.1								4.4	8.1
ENE	1.1	2.5	2.7	2.8								9.1	8.7
E	1.2	3.5	3.9	.5								9.3	6.6
ESE	.4	.4	.4									1.1	5.2
SE	.2	.5	.7									.9	5.8
SSE	.8	2.1	.9									3.7	5.3
S	1.4	1.2		.2								2.8	4.2
SSW	.4	1.6	.7	.2								2.8	5.8
SW	1.4	1.2	1.6	2.5	.5							7.3	8.9
WSW	.2	.7	2.1	3.7	.4							7.1	10.8
W	.7	1.6	3.4	3.2	1.2							10.3	10.2
WNW	.9	1.8	2.8	.5		.2						6.2	7.6
NW	1.4	1.1	2.0	2.0	.4							6.8	8.5
NNW	.7	1.6	2.7	1.4								6.4	8.1
VARBL		.7	8.7	2.3								11.7	8.8
CALM												3.9	
	13.0	23.0	35.6	21.5	2.8	.2						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 562

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

1 33F STATION 73-81  
STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
1900-1900  
MONTH  
HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.0	2.9	1.6	.2							6.2	9.3
NNE	.5	.5	.4	.2								1.6	5.9
NE	.7	.5	.0	1.6	.7							4.5	10.1
ENE	.9	.7	3.2	4.0								6.7	9.9
E	.5	4.0	2.9	.5								6.8	6.3
ESE	.5	.5	.5									1.6	5.0
SE	.9	.5	.5									2.0	4.7
SSE	.5	1.6	.2	.4								2.7	5.5
S	1.5	1.6	.4	.2								3.8	4.5
SSW	.5	1.6	1.4	.7								4.3	6.8
SW	.4	2.0	1.4	2.7	.2							6.7	9.1
WSW	.7	.9	3.1	2.7	.4							7.8	9.5
W	.2	1.4	3.1	4.0	.2	.2						9.0	10.5
WNW	.4	2.5	3.8	.5		.2						7.4	7.8
NW	.4	1.6	3.4	1.3	.4	.2						7.2	9.5
NNW	.7	1.4	3.8	2.2	.2							8.3	8.8
VARBL		.4	4.0	1.4								5.8	8.9
CALM												3.8	
	9.7	23.8	35.9	24.0	2.2	.5						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 554

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1335 FINTHEN AAF, DL 77-81

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

APR MONTH

1800-2000 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.6	2.9	1.0								7.2	7.1
NNE	.5	1.4	1.4	.4								4.1	6.7
NE	.5	.4	1.2	1.6	.2							4.7	9.8
ENE	.4	2.5	4.1	2.5	.6							10.4	9.0
E	2.2	3.5	2.7									8.4	5.2
ESE	.2	1.4		.2								1.3	5.3
SE	.4	1.7			.2							1.5	5.6
SSE	1.4	.6										2.0	3.1
S	1.2	2.5	1.4									5.1	5.3
SSW	.6	1.4	1.0	.4								3.5	6.1
SW	.2	1.1	2.0	.6	.2	.4						4.5	9.9
WSW	.4	2.2	3.5	1.2	.2							7.6	8.2
W	.4	1.6	2.2	2.2								6.5	8.8
WNW	.2	2.0	1.8	.6								6.1	6.6
NW	.4	3.5	3.5	1.2								8.6	7.6
NNW	.2	3.7	3.7	3.1								11.2	8.0
VARBL			1.7									1.0	7.4
CALM												5.7	
	12.9	31.3	33.1	15.1	1.4	.4						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 489



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FINAL PAGE

1 335  
STATION

FINNEN AAF, DL  
STATION NAME

73-81  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.1	2.2	.8	.1							6.5	0.7
NNE	.9	1.2	1.0	.2	.0							3.3	5.9
NE	.5	1.1	1.3	1.0	.7							4.4	7.9
ENE	1.2	2.3	3.4	2.6	.1							9.7	8.3
E	1.7	3.9	3.4	.5								9.3	6.1
ESE	.3	.6	.2	.0								1.1	5.1
SE	.4	.4	.2		.0							1.1	4.9
SSE	.7	.9	.2	.1								1.9	4.6
S	.9	1.3	.5	.4								3.0	5.6
SSW	.5	1.2	.9	.4								3.0	6.2
SW	.7	1.3	2.0	1.4	.2	.1						5.7	8.4
WSW	.0	1.7	3.4	2.5	.2							6.5	9.0
W	1.1	1.6	3.2	2.3	.4	.0						6.7	9.0
WNW	.8	2.1	3.1	.6		.1						6.6	7.3
NW	.0	1.7	2.4	1.3	.1	.3						6.4	6.0
NNW	2.1	2.2	2.8	1.5	.0							5.5	6.9
VARBL		.7	3.5	.9								4.7	6.8
CALM												7.5	
	15.2	25.6	33.5	16.5	1.4	.2						170.0	6.9

TOTAL NUMBER OF OBSERVATIONS

2829

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 - 335  
STATION

FINTHEN AAF, DL  
STATION NAME

73, 75-77, 80-81  
YEARS

DAY  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9										1.8	4.5
NNE	.9	3.6										4.5	3.6
NE				.9	.9							1.8	14.5
ENE	2.7	3.6	5.4	1.8								13.4	6.9
E	4.5	5.4	7.1									17.0	5.4
ESE													
SE	.9	.9										1.8	3.5
SSE	.9											.9	2.0
S	1.8	.9	.9									3.6	4.3
SSW	1.8	1.8	1.8									5.4	5.2
SW	1.8	3.6	1.8									7.1	5.9
WSW	2.7	2.7	3.6									6.9	5.5
W	.9	4.5	.9									6.2	5.4
WNW	1.8	1.8	.9									4.5	3.6
NW													
NNW	.9	.9	2.7									4.5	6.2
VARBL													
CALM												18.7	
	22.3	30.4	25.0	2.7	.9							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 112

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AD WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-335 FINTHEN AAF, DL 73-01 MAY  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0600-0800  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	1.1	.6								4.1	6.3
NNE	.4	.2	.8									1.9	5.3
NE	.9	.8	.6									2.3	4.8
ENE	2.1	4.2	5.4	2.6								15.0	7.5
E	3.6	5.4	6.0	3.2								18.2	7.0
ESE	.2	.6										.6	4.5
SE	.6	.4										.9	2.8
SSE	.6	.4										.9	3.0
S	.9	2.1	.9									3.9	4.8
SSW	.8	1.1	2.8									4.7	6.6
SW	.3	2.1	2.4	.2								5.4	6.1
WSW	.1	2.3	2.6	.9								7.9	6.4
W	3.4	3.9	1.7	1.1	.2	.2						10.5	5.9
WNW	1.1	1.7	.8	.2								3.8	5.1
NW	.6	.6	.8	.6								2.4	7.8
NNW	.4	.2	1.5	.6								3.2	7.4
VARBL					.2							.2	20.0
CALM												13.9	
	19.3	28.7	27.4	10.1	.4	.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 533

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

1 335 FINTHEN AAF, DL 73-81

STATION STATION NAME YEARS

ALL WEATHER

CLAS

CONDITON

MAY

DATE

0900-1100

MOON (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	2.0	.4								4.3	7.5
NNE	.2	.7	1.6	.2								2.7	7.3
NE	.2	.4		.4	.2							1.1	10.7
ENE	1.3	4.3	3.3	1.8	.4	.2						11.8	7.6
E	1.2	4.9	6.7	5.2								18.6	8.4
ESE	.4	.7		.2								1.3	5.1
SE	.5	.5	.2									1.3	4.7
SSE	1.3	2.4	.4									4.5	4.0
S	2.9	1.3	1.1									5.2	4.2
SSW	1.4	1.8	1.3	.4								4.9	5.9
SW	1.3	2.4	4.2	1.4								9.2	7.4
WSW	1.6	1.3	4.0	1.1								6.7	7.3
W	1.1	2.2	3.4	2.0	.2							8.9	6.2
WNW	.9	1.4	1.1	.4								3.8	6.0
NW	.7	.7	.7	.7								2.9	6.9
NNW	.5	1.1	.9	.5								3.1	6.6
VARBL			1.8	.7	.2							2.7	10.3
CALM												5.8	
	17.2	28.0	32.5	15.4	.9	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 553

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 335 FINTHEN AAF, DL 77-81  
STATION STATION NAME YEARS  
ALL WEATHER CLASS 1702-1400  
HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.2	1.5	1.6	.7								4.2
NNE	.5	1.5	.2	.4								2.6
NE		.4	.4									1.1
ENE	.7	1.8	2.7	1.8	.4	.2						7.7
E	1.2	4.6	4.4	2.7	.5							13.2
ESE	.7	1.9	.9	.5								4.5
SE	.7	.9	.2									1.8
SSE	.5	1.6	1.5	.7								3.5
S	1.3	2.9	.9	.4								7.5
SSW	1.5	2.7	1.8	.9	.7							7.1
SW	.4	1.6	3.8	1.1	.5							7.5
WSW	.7	2.2	1.5	2.6	.7							6.9
W	1.5	1.5	1.6	.9								7.5
WNW	.4	2.4	1.1	1.1	.2							5.1
NW	.4	2.7	.2	.9								3.5
NNW	1.7	1.5	1.6	.5								4.9
VARBL		.4	6.4	1.8	.2							4.3
CALM												2.7
	13.9	31.3	3.7	19.2	1.8	.4						12.2

TOTAL NUMBER OF OBSERVATIONS 547

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 335 FINTHEN AAF, DL 73-81  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
DAY MONTH  
1980-1980  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3	1.1	.9								5.3	6.1
NNE	.6	.9	.9									2.3	6.3
NE	.5	.4	.6	.8								1.9	9.7
ENE	1.1	2.1	3.4	2.5	.6	.6						10.2	9.7
E	1.7	4.2	4.0	1.7								11.6	7.2
ESE	.4	1.3	1.7									3.4	5.8
SE	1.1	1.1	.6	.2								3.3	4.6
SSE	.6	2.6	.6									4.2	4.6
S	1.7	2.8	1.1	.2								5.9	5.0
SSW	.4	.2	1.1	1.1								3.4	6.9
SW	.2	1.0	2.5	1.9	.2							6.6	9.0
WSW	1.2	1.7	4.3	2.8								9.8	8.7
W	.2	2.1	2.5	1.3								6.6	7.6
WNW	.5	.4	.6	1.5	.2							3.4	9.4
NW	1.7	.6	1.9	1.3								5.7	6.9
NNW	.6	2.1	2.5	1.1								6.2	7.6
VARBL		.1	5.9	1.9								8.3	9.1
CALM												2.3	
	1.3	26.8	34.8	19.3	.9	.6						170.0	7.5

TOTAL NUMBER OF OBSERVATIONS 529

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 335 FINTHEN AAF, DL 72-81 MAY  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
1900-2000  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.1	.2	1.0								5.4	5.5
NNE	.4	.9	1.0									2.3	6.4
NE	.2	.5	1.2	1.0								3.1	4.3
ENE	.6	1.9	3.1	5.0	.2	.2						11.0	10.4
E	2.4	5.6	1.9	1.5								11.4	6.0
ESE	2.5	3.5	1.2									7.3	4.3
SE	1.2	1.5	.2									2.9	3.9
SSE	1.0	1.7	.4									3.9	3.7
S	.8	1.0	.2	.2								2.3	4.6
SSW	1.5	1.2	.2	.4								3.3	5.1
SW	.6	2.7	2.1	1.5								6.8	7.3
WSW	.2	4.1	2.1	.4	.2							7.7	6.1
W	1.0	2.3	2.3	.8								6.4	6.8
WNW	.6	1.9	2.5	2.3								7.3	8.5
NW	.6	2.5	1.2	.4								4.8	6.3
NNW	.6	1.0	2.1	.4								4.1	7.3
VARBL			.4									.4	7.0
CALM												9.5	
	13.0	34.4	22.4	14.0	.4	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 482

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CLIM 14  
SEE FIRST PAGE

1335 FINTHEN AAF, DL 73-61

STATION MONTH YEAR

ALL WEATHER

CLASS

CONDITION

ALL

MOON (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.5	1.2	.7								4.9	6.2
NNE	.4	1.5	.9	.1								2.4	6.0
NE	.1	.4	.5	.5	.1	.1						1.9	8.9
ENE	1.7	3.7	3.7	2.6	.3	.3						11.2	6.7
E	2.2	4.0	4.8	2.8	.1							14.8	7.3
ESE	.3	1.5	.7	.1								3.1	5.2
SE	.1	.9	.2	.1								2.0	4.2
SSE	1.1	1.7	.5	.1								3.4	4.5
S	1.6	2.1	.9	.1								4.6	4.9
SSW	1.1	1.6	1.5	.1	.1							4.8	6.5
SW	.7	2.2	3.0	1.2	.1							7.1	7.7
WSW	1.7	2.3	2.0	1.5	.1							8.1	7.4
W	1.5	2.5	2.2	1.6	.1	.1						7.9	7.3
WNW	.6	1.6	1.2	1.1	.1							4.6	7.3
NW	.1	1.2	.9	.8								3.7	7.0
NNW	.7	1.3	1.7	.6								4.3	7.1
VARBL		.2	2.8	.9	.1							4.0	9.4
CALM												7.3	
	16.9	29.8	29.5	15.3	.9	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 2756



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 335 FINTHEN AAF, DL 73,75-61  
STATION STATION NAME YEARS MONTHS  
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	5.0	.8									7.4	4.4
NNE		.8	1.7									2.5	6.0
NE	.8		.8									1.7	5.0
ENE	1.7	2.5										4.1	3.6
E	3.3	.8	1.7									5.8	4.1
ESE			.8									.8	6.0
SE													
SSE		.8										.8	6.0
S	.8	2.5	1.7									5.0	5.2
SSW	.8	1.7	.8									3.3	4.5
SW	1.7	4.1	2.5									6.3	5.2
WSW	.8	5.0	.8	.8								7.4	6.1
W	3.3	3.3	.8									7.4	3.6
WNW	2.5	2.5		.8								5.8	4.7
NW	1.7		.8	.8								3.3	6.5
NNW	2.5	1.7	.8	.8								5.8	5.7
VARBL													
CALM												30.6	
	21.6	30.6	14.0	3.3								170.0	3.5

TOTAL NUMBER OF OBSERVATIONS 121

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1335 STATION NAME FINTHEN AAF, DL YEARS 73-81 MONTH JUL  
CLASS ALL WEATHER NUMBER OF OBSERVATIONS 0600-0800  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.6	2.6	.2								7.9	5.6
NNE	1.7	1.5	1.4									4.5	4.7
NE	2.1	1.9	.7									4.7	4.4
ENE	1.7	2.1	1.5	.2								5.4	5.2
E	2.6	2.4	2.5									6.0	5.5
ESE	.2	.7	.4	.2								1.5	6.4
SE	.2	.2										.4	3.5
SSE	.6	.2										.7	2.6
S	.9	.9	.2									2.1	3.7
SSW	1.1	.7	1.9	.2								3.9	6.0
SW	1.9	2.1	2.4	.7								7.1	6.3
WSW	2.6	4.3	3.2	.7								10.8	5.7
W	4.1	4.5	2.4	.2								11.2	4.7
WNW	1.1	1.1	.6	.7								3.6	6.5
NW	.7	.6	1.3	.9								3.6	7.6
NNW	1.5	2.4	.7	.4								5.3	4.9
VARBL			.2									.2	8.0
CALM												14.4	
	24.7	29.2	22.2	4.5								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 535

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 335 FINTHEN AAF, DL 73-81 JUL  
STATION MONTH  
ALL WEATHER  
CLASS  
CONDITION  
2900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	2.7									6.1	5.9
NNE	.4	1.1	2.2	.2								3.8	6.8
NE	.7	.9	.5	.4								2.5	6.1
ENE	2.2	2.9	.9	.7								6.6	5.5
E	1.8	4.3	1.8	2.0								9.9	6.5
ESE	.7	1.8	1.1	.4								3.9	6.2
SE	.2	.5	.5									1.3	5.6
SSE	.5	.4	.2									1.1	4.0
S	2.5	1.3	.9	.2								4.8	4.2
SSW	1.6	1.8	1.8	.2								5.4	5.6
SW	1.1	3.0	2.5	1.8								8.4	7.7
WSW	2.0	3.0	1.8	.9	.2							7.9	6.3
W	.9	5.4	4.1	.9								11.3	6.7
WNW	1.6	1.4	1.1	.7								4.8	6.0
NW	.2	2.5	1.8	.7								5.2	7.1
NNW	.7	1.6	2.0	.7								5.0	6.7
VARBL		.2	2.5	.7								3.4	5.9
CALM												8.6	
	17.7	34.8	28.3	10.4	.2							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 558

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10335 FINTHEN AAF, DL 73-81 JUN  
STATION MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1200-1400  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.2	2.0	.4								5.2	6.5
NNE	.2	2.1	2.2	.2								4.5	6.8
NE	.4	1.4	.5									2.3	5.1
ENE	.5	1.4	1.3	.9								4.1	7.3
E	.7	2.5	2.5	1.1								6.8	7.3
ESE	1.4	2.0	1.3	.2								4.8	5.4
SE	.8	.5	.2									1.1	4.2
SSE	1.1	.9	.4									2.3	4.5
S	.9	1.1	.2	.2								2.3	4.9
SSW	.9	2.7	1.8	.7								6.1	6.5
SW	.7	1.8	4.1	2.2	.2							9.0	8.9
WSW	1.6	3.8	1.8	1.5								8.4	6.6
W	2.0	4.1	5.0	1.4								12.6	7.2
WNW	1.3	1.8	1.4	.7		.2						5.4	6.9
NW	.4	2.2	1.4	.7								4.7	7.3
NNW	.7	2.0	2.0	.9								5.6	7.4
VARBL		.7	6.3	1.6								8.6	8.9
CALM												6.1	
	13.8	33.0	34.3	12.4	.2	.2						170.0	6.6

TOTAL NUMBER OF OBSERVATIONS 557

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10-335  
STATION

FINTHEN AAF, DL

STATION NAME

73-81

YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.0	3.6	.7								7.7	7.3
NNE	1.2	1.3	1.1	.								3.9	5.7
NE	.4	.6	1.3	.6								2.3	7.8
ENE	1.1	.7	2.2	1.1								5.2	7.5
E	.7	1.9	1.3	.6								4.5	6.5
ESE	.5	1.1	.7	.4								2.8	7.0
SE	.4	.4	.2									.9	4.4
SSE	1.1	.9	.6	.2								2.8	5.5
S	.9	2.2	.6									3.7	4.7
SSW	1.3	1.3	1.3	.4								4.3	5.7
SW	.7	3.0	3.7	.9								8.4	7.3
WSW	1.9	1.7	2.8	1.1	.7							8.2	8.4
W	1.5	4.5	5.1	2.6								13.7	7.5
WNW	1.3	2.2	2.2	.7								6.6	6.9
NW	.9	1.3	3.0	.7								6.0	7.2
NNW	.6	3.4	2.1	.7								6.7	6.9
VARBL		.2	4.1	1.1	.2							5.6	9.3
CALM												6.0	
	15.2	29.8	36.0	12.2	.9							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

534

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1335 FINTHEN AAF, DL 73-81 JUN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CORDITION  
1800-2000  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.2	4.3	3.9	.6								11.0	6.0
NNE	.9	1.5	2.6	.2								5.2	6.7
NE		1.1	2.6	.9								4.5	8.4
ENE	.6	.6	1.5	1.3	.2							4.3	9.0
E	.6	2.2	3.4	.4								6.7	7.1
ESE	.2	.2	.4	.2								1.1	6.6
SE	.2	.2										.4	3.5
SSE	.4	.6	.4									1.5	5.1
S	1.9	1.3	.4									3.7	4.1
SSW	.4	2.6										3.0	4.4
SW	1.3	3.0	1.3	.6								6.2	6.1
WSW	2.2	3.0	2.2	1.3								8.6	6.3
W	2.8	2.4	3.2	2.4	.2							11.0	7.2
WNW	.9	3.2	1.1	.4								5.6	5.3
NW	1.7	2.2	1.9									5.8	5.5
NNW	.6	1.7	3.0	.9								6.2	7.6
VARBL			2.2									2.2	8.2
CALM												12.9	
	17.0	30.2	30.2	9.3	.4							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 464

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE FOR  
SEE APPENDIX

1 2335 FINTHEN AAF, DL 77-81

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

ALL

NOV 80 11 57

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.2	2.8	.4								7.4	5.2
NNE	.8	1.4	1.8	.1								4.3	5.7
NE	.7	1.1	1.1	.3								3.3	6.3
ENE	1.2	1.6	1.4	.8	.0							5.1	6.6
E	1.4	2.6	2.3	.8								7.2	6.5
ESE	.6	1.2	.8	.3								4.5	6.2
SE	.3	.4	.2									.8	4.5
SSE	.7	.6	.3	.0								1.7	4.7
S	1.4	1.4	.5	.1								3.4	4.4
SSW	1.1	1.8	1.4	.3								4.6	5.8
SW	1.2	2.5	2.9	1.2	.0							7.9	7.3
WSW	2.0	3.3	2.3	1.0	.2							8.7	6.6
W	2.3	4.2	3.9	1.4	.7							11.4	6.6
WNW	1.3	2.0	1.2	.7		.0						5.2	6.3
NW	.8	1.7	1.8	.7								4.9	6.9
NNW	.9	2.2	1.9	.7								5.7	6.7
VARBL		.2	3.0	.7	.0							3.9	8.9
CALM												11.4	
	17.8	31.4	29.5	9.5	.3	.0						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 2769

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 334 FIFTHEN AAF, OL 73,75-77,80-81 JUL 1981  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION

SPEED ENTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.4	.8									4.7	4.6
NNE	.5	1.5										2.4	3.3
NE													
ENE	4.7	1.6	.8									6.4	4.1
E	1.5	2.4										4.0	3.6
ESE	.5											.8	3.0
SE													
SSE	.5	.8										1.6	2.5
S	2.4	.5										3.2	2.5
SSW			1.6	.8								2.4	9.3
SW	3.2	5.6	.8									9.6	4.5
WSW	4.7	6.4	4.8									16.0	4.8
W	5.6	6.4	.8									12.8	4.0
WNW	.5	4.7	3.2									8.0	6.1
NW	.5	.8										1.6	4.0
NNW	.5	1.6	.8									3.2	5.5
VARBL													
CALM												24.0	
	27.2	34.4	13.6	.8								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 125



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 0335 FINTHEN AAF, DL 73-81

STATION MONTH YEARS

ALL WEATHER

CLASS

CONDITION

0600-0600

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	.7									3.1	4.9
NNE		1.0	.5									1.6	5.8
NE	.3	.9										1.2	4.3
ENE	2.1	3.9	2.4	.5								8.8	5.5
E	.3	3.3	.7	.2								4.5	5.5
ESE	.5											.5	2.0
SE													
SSE	.3	.2										.5	2.7
S	.9	.5	.3									1.7	4.2
SSW	1.0	2.2	.7	.2								4.2	5.1
SW	2.6	3.6	3.1	.2								9.5	5.4
WSW	3.5	8.8	5.5	.								18.7	5.8
W	4.7	5.7	4.2	.7								15.2	5.4
WNW	1.4	1.2	1.9	.3								4.8	5.8
NW	.2	1.6	.5									2.2	5.9
NNW	.7	1.6	.5	.3								3.1	5.4
VARBL			.2									.2	9.0
CALM												70.1	
	19.6	35.8	21.3	3.3								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 578

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 335      FINTHEN AAF, DL      73-81      JUL

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      0900-1100

CLASS      HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.5	.2								3.5	6.0
NNE	.2	1.2	1.3	.2								2.8	7.1
NE	.2	1.3	.5									2.0	5.4
ENE	.5	3.3	3.2	.3								7.3	6.3
E	1.0	3.3	1.2	.3								5.8	5.4
ESE	1.3	.5										1.8	3.2
SE	.5	.5										.8	4.0
SSE	.2	1.0	.2									1.3	5.3
S	.5	1.0	.7									2.5	5.2
SSW	1.0	1.5	1.2	.2								3.8	5.7
SW	1.7	3.5	3.8	1.3								10.3	7.0
WSW	.5	5.2	4.0	2.0								12.0	7.4
W	3.5	4.2	8.7	1.5								17.8	6.9
WNW	.5	3.8	1.3									6.0	5.5
NW	.5	1.2	1.3	.5								3.8	6.6
NNW	1.5	2.0	1.8	.2								5.5	5.8
VARBL			2.8	.7								3.5	9.0
CALM												9.2	
	15.5	34.5	33.5	7.3								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS      600

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

1 335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-61  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.7	2.2	.2								4.5	6.3
NNE	.5	1.0	.3	.2								1.7	5.8
NE		1.0	.5									1.5	6.0
ENE	.5	2.2	1.2	.2								4.3	5.5
E	2.7	3.0	1.5									7.2	4.4
ESE	.5	.8	.7									2.0	5.7
SE	.2	.7										.3	4.4
SSE	.5	.7										1.2	3.9
S	1.5	1.7	.2									3.3	4.1
SSW	.7	.7	1.7	.7								3.3	6.5
SW	.2	1.0	2.2	1.7								5.0	9.2
WSW	1.5	5.0	6.3	3.0								15.9	7.9
W	2.7	4.0	7.8	2.2								16.9	7.3
WNW	1.5	5.0	2.3	.3								9.5	5.6
NW	.8	2.5	2.0									5.3	6.0
NNW	1.7	2.3	1.0	.5								5.5	5.5
VARBL		.2	5.5	1.8								7.5	6.9
CALM												4.2	
	15.5	34.2	35.4	1.7								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 599

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFH WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 0335      FINTHEN AAF, DL      73-81      JUL

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER

CLASS

CONDITION

1500-1700

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.0	1.5	.3								4.3	6.0
NNE	.4	.5	.3									1.0	5.2
NE	.2	1.0	.2									1.4	5.5
ENE	.2	1.4	1.1	.2								2.7	6.4
E	2.4	2.1	.9									5.3	4.6
ESE	1.2	2.0	.3									4.5	4.4
SE	.3	1.4	.2									1.9	5.1
SSE	1.5	1.2										2.7	3.4
S	.5	1.0	.5									2.9	5.1
SSW	.3	1.0	1.0	.5								2.9	7.1
SW	.5	1.2	3.6	1.7								7.0	8.5
WSW	.9	2.7	6.0	3.6								13.2	8.9
W	1.5	4.1	6.9	2.6								15.1	7.8
WNW	1.0	4.0	2.7	1.2								9.8	6.6
NW	.9	2.6	2.6	.5	.2							6.7	6.9
NNW	.9	2.7	2.9	.3								6.9	6.6
VARBL		.2	5.0	1.2	.2							6.5	9.4
CALM												5.0	
	13.9	32.8	35.7	12.2	.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS      582

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1-335 STATION FINTHEN AAF, DL STATION NAME 72-81 YEARS JUL MONTH 1900-2000 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.2	2.2	.4								5.2	6.4
NNE	.8	.9	.4									2.0	4.2
NE	.2	.2										.4	3.0
ENE	.4	1.6	2.4	.2								4.5	6.9
E	2.0	2.0	1.0									4.9	4.4
ESE	1.8	2.2	.6									4.7	4.1
SE	.8											.8	2.5
SSE	1.2											1.2	1.7
S	.8	.6										1.4	3.3
SSW	1.0	1.2	1.6	.4								4.2	6.2
SW	1.2	1.2	2.8	.4								5.5	6.5
WSW	1.8	4.3	4.7	1.2								12.1	6.9
W	2.2	6.3	4.9	1.8	.4							15.6	7.1
WNW	2.4	5.1	2.8	.4	.2							10.9	6.0
NW	.8	2.2	2.0	.4								5.3	6.1
NNW	2.0	3.2	1.8	.6								7.5	5.7
VARBL			.8									.8	8.0
CALM												12.3	
	20.4	33.0	28.1	5.7	.6							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 506

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CARE  
SEE FIRST PAGE

1335      FINTHEN AAF, DL      73-81      JUL

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      ALL

CLASS      HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.5	1.6	.2								4.3	6.0
NNE	.3	.5	.6	.1								1.8	5.7
NE	.2	.9	.2									1.3	5.2
ENE	.9	2.4	2.0	.3								5.6	5.9
E	1.7	2.7	1.0	.1								5.5	4.8
ESE	1.0	1.2	.3									2.6	4.2
SE	.3	.5	.7									.8	4.3
SSE	.7	.6	.5									1.4	3.5
S	1.0	1.1	.3									2.4	4.4
SSW	.7	1.3	1.2	.4								3.6	6.5
SW	1.3	2.3	3.0	1.0								7.6	7.0
WSW	1.8	5.3	5.3	2.1								14.5	7.2
W	2.9	5.1	6.3	1.7	.1							16.0	6.8
WNW	1.4	4.0	2.2	.4	.0							8.1	5.9
NW	.7	1.9	1.6	.3	.7							4.5	6.4
NNW	1.3	2.3	1.6	.4								5.6	5.9
VARBL		.1	2.8	.7	.0							3.6	9.0
CALM												10.6	
	17.3	34.1	30.2	7.6	.2							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS      2990

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 0335 STATION FINTHEN AAF, DL 73-75-77-80-81 YEARS AUG  
STATION NAME CLASS ALL WEATHER SOUTH  
CONDITION 0300-0500 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5		.8									3.3	3.0
NNE	.8	.8										1.6	3.5
NE	1.6	1.6										3.3	3.0
ENE	4.1	6.6	.8									11.5	4.3
E	.8	4.1	4.1									9.0	5.8
ESE													
SE													
SSE	.8											.8	2.0
S	.8											.8	2.0
SSW		.8										.8	6.0
SW	1.6	4.1	.8									6.6	4.1
WSW	1.6	2.5										4.1	4.4
W	4.9	1.6										6.6	2.6
WNW	4.1	1.6										5.7	2.6
NW	2.5	.8	1.6									4.9	5.0
NNW	.8	2.5	.8									4.1	5.0
VARBL				.8								.8	12.0
CALM												36.1	
	27.0	27.0	9.0	.8								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 122

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

1 6335      FINTHEN AAF, DL      73-81      AUG  
STATION      STATION NAME      YEARS      MONTH  
ALL WEATHER  
CLAS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.5	2.7	1.4									5.7	4.8
NNE	.5	.5	.2									1.2	4.1
NE	1.4	1.7	.2									2.6	3.7
ENE	1.5	4.5	2.7									8.2	5.7
E	2.1	2.9	3.4	.9								9.3	6.5
ESE	.5	.2										.7	2.8
SE	.2											.2	2.0
SSE	.2	.7	.2									1.0	4.7
S	1.0	.9										1.9	3.1
SSW	1.2	.5	.5									2.2	4.2
SW	1.5	2.1	1.4									5.0	4.8
WSW	2.2	3.6	.7	.2								6.7	4.6
W	3.8	3.6	2.2	.2								9.9	4.9
WNW	2.1	1.7	1.0									4.8	4.5
NW	1.5	1.7	2.2	.2								5.7	5.9
NNW	1.2	2.2	.3									3.8	4.8
VARBL			.3									.3	7.5
CALM												11.0	
	22.0	28.8	16.8	1.4								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS      583



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 0335 FINTHEN AAF, DL 73-81 AUG  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.3	.8	.3								5.6	5.2
NNE	1.3	.9	.2	.3								2.6	4.5
NE	.3	1.5	.8	.2								2.8	6.1
ENE	1.6	4.1	4.1	.5								10.3	6.3
E	4.1	3.6	5.3	1.6								14.6	6.4
ESE	2.0		.2	.3								2.5	3.9
SE	.7	.3										1.0	3.0
SSE	.7	.5	.5									1.6	4.9
S	.3	2.1	.3	.2								3.0	5.1
SSW	1.1	1.8	.3	.3								3.6	5.0
SW	1.5	1.3	3.0	.5								6.2	6.6
WSW	1.6	1.6	2.8	.7								6.7	6.7
W	2.1	2.5	2.8	1.0								8.4	6.4
WNW	1.0	2.1	.8	.3								4.3	5.7
NW	1.1	2.0	1.5	.2								4.8	5.9
NNW	.8	2.3	1.8	.3								5.3	6.4
VARBL			2.8	.7								3.4	9.1
CALM												13.3	
	21.5	29.9	27.9	7.4								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 609

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.8	1.5									5.7	5.0
NNE	.7	1.5	.2	.2								2.5	5.0
NE	.7	.7	.8	.5								2.6	6.5
ENE	2.5	2.5	2.8	.7								7.9	6.3
E	2.8	3.9	4.1	1.3								12.2	6.5
ESE	1.3	1.5	1.3	.5								4.6	6.1
SE	.5	.3	.7									1.5	5.8
SSE	1.0	1.0	.5	.2								2.6	5.2
S	1.5	1.8	1.0	.3								4.8	5.1
SSW	1.1	.8	.7	.2								2.9	4.8
SW	.8	1.3	2.1	1.3								5.6	7.9
WSW	1.1	.5	3.0	1.6	.2							6.4	8.6
W	1.1	2.8	5.3	1.6								10.8	7.7
WNW	1.0	3.0	2.3	.3								7.6	6.1
NW	.5	2.5	.7	.3								3.9	5.7
NNW	.7	2.1	3.0	.5								6.2	6.9
VARBL			4.6	1.5								6.1	9.3
CALM												6.2	
	18.4	29.9	34.3	11.0	.2							170.0	6.3

TOTAL NUMBER OF OBSERVATIONS

609

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 0335 FINTHEN AAF, DL 73-81 AUG  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1500-1700  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.4	2.2	.3								7.5	5.9
NNE	.5	1.7	1.0	.3								3.6	6.0
NE	.5	1.0	.9	.3								2.7	6.5
ENE	1.4	1.4	1.7	.7								5.1	6.4
E	2.0	3.7	3.4	.5	.2							9.9	6.2
ESE	.5	1.7	1.5									3.7	6.3
SE	.7	.9	.2									1.7	3.9
SSE	.9	.9	.5	.2								2.4	4.9
S	1.0	1.7	1.0									3.7	4.9
SSW	1.2	.7	.7	.5								3.1	6.2
SW	.7	.7	2.6	.3								4.3	7.7
WSW	1.4	2.6	4.4	1.2	.2							9.7	7.2
W	.5	4.1	3.4	2.6	.2							10.7	8.0
WNW	.7	3.2	3.7	.9								8.5	6.8
NW	.9	3.1	1.9	.7								6.5	6.5
NNW	1.0	1.7	2.6	.5								5.3	6.7
VARBL			4.1	.7								4.8	9.0
CALM												6.3	
	10.3	32.4	35.8	9.7	.5							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 587

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

1 335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

ALL WEATHER  
CLASS

CONDITION

1800-2000  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.5	.8									4.9	4.8
NNE	.6	2.6	1.6	.2								4.9	5.8
NE	.2	1.4	.2	.2								2.0	5.6
ENE	.8	1.2	1.8									3.8	6.0
E	3.4	1.6	2.4	.4								7.7	5.0
ESE	1.8	1.2	1.4	.2								4.5	5.0
SE	.8	1.2	.2									2.2	4.5
SSE	.6	1.0										1.6	3.9
S	1.0	.4	.2	.2								1.8	4.7
SSW	.8	2.0	.4									3.2	4.9
SW	1.2	2.8	1.2	.2								5.3	5.4
WSW	1.6	3.6	3.0	.2								8.3	5.6
W	2.2	3.2	3.6	1.0								9.9	6.3
WNW	1.4	2.5	2.2	.4								6.7	6.0
NW	1.2	2.8	1.6	.2								5.7	5.6
NNW	3.4	4.5	2.6									10.5	4.7
VARBL			.4	.2								.6	9.0
CALM												16.4	
	22.1	34.8	23.3	3.4								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 536

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

1-335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.1	1.3	.1								5.8	5.2
NNE	.7	1.4	.6	.2								2.9	5.3
NE	.7	1.1	.6	.2								2.6	5.6
ENE	1.5	2.9	2.6	.4								7.4	6.0
E	2.8	3.2	3.8	.9	.0							10.8	6.2
ESE	1.2	.9	.8	.2								3.1	5.4
SE	.5	.5	.2									1.2	4.3
SSE	.7	.8	.3	.1								1.8	4.7
S	1.0	1.4	.5	.1								3.0	4.7
SSW	1.1	1.1	.5	.2								2.9	5.1
SW	1.2	1.7	2.0	.5								5.3	6.4
WSW	1.6	2.3	2.7	.8	.1							7.4	6.5
W	2.1	3.1	3.3	1.2	.0							9.9	6.6
WNW	1.3	2.7	1.9	.4								6.3	5.8
NW	1.1	2.3	1.6	.3								5.3	5.9
NNW	1.3	2.5	2.0	.3								6.1	5.8
VARBL			2.4	.6								3.1	9.1
CALM												15.4	
	20.1	30.9	27.1	6.5	.1							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

3016

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 0335      FINTHEN AAF, DL      73-77, 80-R1      SEP

STATION      STATION NAME      YEARS

ALL WEATHER

CLASS

CONDITION

0330-0500  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0										3.7	3.3
NNE													
NE		.9										.9	4.0
ENE	2.0	1.0	1.0									6.5	4.6
E	1.0	4.7	1.0									8.4	4.6
ESE													
SE													
SSE	2.8											2.8	2.3
S	2.5	.9										3.7	2.3
SSW		3.7		.9								4.7	6.2
SW	.9	1.0	3.7									6.5	6.6
WSW	2.8	1.0	1.0									6.5	5.1
W		4.7	.9	.9								6.5	6.1
WNW	1.0	1.0										3.7	3.0
NW			.9	.9								1.9	10.5
NNW	.9											.9	3.0
VARBL													
CALM												43.0	
	18.7	24.3	11.2	2.8								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS      137

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-335 STATION FINTHEN AAF, DL STATION NAME 77-81 YEARS SEP MONTH 0600-2600 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.6	.2									2.4	3.2
NNE	1.2	.6	.2									2.2	3.2
NE	1.0	.6										1.6	3.2
ENE	1.4	2.4	1.6	.2								5.7	5.5
E	4.1	3.7	1.4									9.1	4.2
ESE	.4											.4	2.0
SE	.4											.4	2.5
SSE	.6	.8	.4									1.3	4.4
S	1.6	1.2	.6	.2								3.7	5.0
SSW	.6	2.0	3.3	1.6	.4							7.3	7.9
SW	.6	3.0	3.5	.4								7.5	6.8
WSW	2.4	4.1	2.0									6.5	5.0
W	4.9	3.5	2.2	.8								11.4	4.9
WNW	1.8	.6	.6	.2								3.3	4.7
NW	.6	.4	.4									1.4	4.9
NNW	.3	1.4										2.2	4.1
VARBL			.2	.8								1.0	12.0
CALM												29.7	
	24.2	25.4	16.7	3.7	.4							170.0	3.7

TOTAL NUMBER OF OBSERVATIONS 492

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 1 0335 STATION NAME: FINTHEN AAF, DL YEARS: 73-81  
CLASS: ALL WEATHER  
CONDITION: \_\_\_\_\_  
MONTHS: SEP  
PERIOD: 0900-1100  
HOURS (LST): \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.4	.2		.2							2.4	6.2
NNE	1.2	.2	.2									1.5	3.4
NE	.4	2.0	.4									2.3	5.1
ENE	1.0	3.6	3.4	1.0								9.0	6.6
E	2.4	3.6	2.8	.6								9.4	5.7
ESE	.8	.4										1.2	2.7
SE	.2	.2										.4	4.0
SSE	.4	1.4	.2	.4								2.8	5.9
S	1.0	1.6	.8	.6								4.0	6.2
SSW	.8	1.8	3.0	1.4	.2							7.2	8.1
SW	2.5	2.8	2.4	2.2	.6							10.8	7.4
WSW	1.2	4.2	6.0	1.8	.2							13.3	7.6
W	0.0	3.6	3.8	.6	.2							10.2	6.4
WNW	.5	.8	1.0	.4								2.8	6.6
NW	1.0	.6	.8	.2								2.6	5.6
NNW	1.0	1.6	.2	.8								3.6	6.1
VARBL			.6	.8								1.4	12.1
CALM												14.7	
	17.7	29.7	25.7	10.8	1.4							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 502



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 335 FINTHEN AAF, DL 72-81  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
1200-1400  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.0	.2	.2								3.0	3.7
NNE	1.0	.6	.4									2.0	4.1
NE	.4	.6	.4									1.4	4.9
ENE	1.2	3.0	2.4	.4								7.0	6.3
E	.6	4.8	3.8									9.3	6.2
ESE	.6	1.4	.8									2.3	5.4
SE	1.0	.6	.2									1.8	3.7
SSE	1.0	1.0	1.0									3.8	4.9
S	1.8	3.0	1.2	1.0								7.0	5.7
SSW	1.2	1.0	1.8	2.0								6.0	6.7
SW	1.4	1.6	2.8	3.8	.4							10.1	9.4
WSW	1.8	1.8	3.8	2.4	1.4							11.3	9.2
W	2.4	2.2	4.4	1.0								11.1	6.6
WNW	.8	1.8	1.8									4.4	5.6
NW	.6	.8	2.0	1.0								4.4	8.3
NNW	.8	1.2	.6	.6								3.2	6.3
VARBL		.4	2.4	1.6								4.4	10.0
CALM												6.8	
	19.5	28.6	30.2	14.1	1.8							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 497

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 (335) FINTHEN AAF, DL 73-81 SEP  
STATION MONTH  
ALL WEATHER 1500-1700  
CLASS HOURS (L & T)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	2.3									5.2	5.8
NNE	.6	.4	.6									1.7	4.8
NE	.6	.2	.9									2.3	5.2
ENE	.8	1.2	1.7									3.7	5.7
E	2.1	2.9	2.5	.2								7.7	5.4
ESE	.8	1.7	1.0									3.5	5.4
SE	1.3	1.7	.4									3.1	4.3
SSE	.6	1.7	1.7									3.9	5.6
S	1.9	1.2	.8	.8								4.8	5.6
SSW	.8	1.7	3.1	2.3	.2							8.1	8.9
SW	1.2	1.5	4.6	2.7	.2							10.2	8.6
WSW	1.0	1.9	4.6	2.5								10.0	8.7
W	1.2	1.5	4.4	2.9	.4							10.4	9.3
WNW	1.9	2.1	2.3	.2								6.4	6.0
NW	1.7	2.1	1.9	.8								6.4	6.0
NNW	.6	1.7	.4	.2								2.9	5.4
VARBL			2.7	1.9								4.6	10.5
CALM												5.2	
	18.0	25.7	35.7	14.5	.8							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 482

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10-335 STATION FINTHEN AAF, DL 73-81 YEARS SEP MONTH  
ALL WEATHER CLASS 1900-2000 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	1.5									2.8	7.3
NNE	1.5	.8	.3									2.6	3.7
NE	.7	1.0	.3									1.5	5.0
ENE	1.0	.5	.3									2.0	3.5
E	.8	3.9	1.5	.3								6.4	5.8
ESE	.5	1.5	.8									2.8	4.9
SE	.5	.8										1.5	3.2
SSE	2.3	1.0	.5									3.9	3.9
S	2.3	1.0	1.5									5.6	4.7
SSW	1.0	4.1	3.1	1.5								9.7	7.1
SW	.5	2.8	3.3	1.3								7.9	7.5
WSW	.8	1.8	4.3	.8	.3							7.9	7.6
W	3.3	5.4	1.8	1.8								12.3	6.0
WNW	2.0	1.3	1.0		.8							5.6	6.5
NW	1.8	.5	2.8	.3								5.4	6.7
NNW	1.3	1.0	1.5	.3								4.1	6.1
VARBL			.5	.5								1.0	10.5
CALM												16.9	
	29.7	29.7	25.1	6.6	1.0							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 391

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CARE ON  
SEE FIRST PAGE

10 335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	.8	.7	.7							3.2	5.1
NNE	1.1	.5	.3									1.9	3.8
NE	.5	1.1	.4									1.9	4.7
ENE	1.2	2.2	1.9	.3								5.7	5.9
E	2.0	3.5	2.4	.2								6.5	5.4
ESE	.6	.7	.5									2.3	4.8
SE	.6	.6	.1									1.4	3.8
SSE	1.1	1.3	.7	.1								3.2	4.9
S	1.7	1.7	.9	.5								4.9	5.4
SSW	.8	2.1	2.7	1.6	.2							7.4	8.1
SW	1.3	2.3	3.3	2.7	.2							9.2	6.0
WSW	1.5	2.8	4.0	1.5	.4							10.2	7.7
W	2.6	3.4	3.3	1.4	.1							10.8	6.6
WNW	1.4	1.4	1.3	.2	.1							4.4	5.8
NW	1.1	.4	1.5	.5								3.9	6.6
NNW	.9	1.3	.5	.4								3.1	5.7
VARBL		.1	1.3	1.1								2.4	10.7
CALM												15.8	
	19.7	27.6	26.0	9.8	1.1							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2471

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10 335 STATION FINTHEN AAF, DL 73-77 YEARS OCT  
STATION NAME CLASS ALL WEATHER MONTHS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2										3.2	3.3
NNE	1.1	1.1										2.2	3.0
NE	2.2		1.1									3.2	4.0
ENE	3.2	5.4	3.2									11.8	5.2
E	5.4	6.5	1.1									12.9	4.1
ESE	1.1											1.1	2.0
SE	1.1	1.1										2.2	4.5
SSE	1.1	1.1										2.2	3.5
S	1.1	3.2	1.1		1.1							6.5	7.5
SSW	1.1		2.2									3.2	6.7
SW	1.1	2.2	3.2									6.5	5.8
WSW		4.3	4.3									9.6	6.3
W	3.2	3.2	3.2									9.7	5.4
WNW				1.1								1.1	14.0
NW				1.1								1.1	11.0
NNW		1.1										1.1	6.0
VARBL													
CALM												23.7	
	22.6	31.2	19.4	2.2	1.1							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10.335      FINTHEN AAF, DL      73-81      OCT

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER

CLASS

CONDITION

0600-2600

NOV 0 (L & T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.4	.2									2.5	3.9
NNE	.9	.5	.4									1.8	4.0
NE	.4	1.1	.7									2.1	5.5
ENE	1.8	3.2	1.1	.7								6.7	5.9
E	2.7	5.9	5.0	.2								13.7	5.6
ESE	1.8	1.2	.7									3.7	4.2
SE	.4	.4	.2									.9	4.4
SSE	1.2	.9	.4	.2	.2							2.8	5.5
S	2.3	2.8	1.6									6.7	4.8
SSW	.7	1.1	1.8	.9								4.4	7.6
SW	.9	2.3	2.7	1.6								7.5	7.8
WSW	.5	6.4	5.2	1.4								13.5	7.1
W	2.3	2.7	1.4	.4								6.7	4.9
WNW	1.6	.7	.5	.4								3.2	5.1
NW	.7	.4	.2	.2								1.4	5.0
NNW	.5	.5	.4	.2								1.6	6.1
VARBL				.2								.2	14.0
CALM												20.4	
	19.5	31.4	22.2	6.2	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS      563

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1-335 FINTHEN AAF, DL 73-81 OCT  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.2	.3									2.4	4.4
NNE	1.3	.3	.5									1.9	4.0
NE	.7	.7										1.4	3.1
ENE	3.5	3.3	2.1	1.9								10.8	6.3
E	2.4	6.3	3.8	2.6								15.6	6.4
ESE	1.6	.3	.2									2.1	3.1
SE	.9	1.0	.2									2.1	3.8
SSE	.9	1.7	1.2	.2								4.0	5.8
S	1.7	2.6	1.6	.9								6.8	6.0
SSW	.9	.3	1.9	1.0								4.2	8.1
SW	.7	1.9	3.7	2.4	.5							9.3	9.1
WSW	.9	2.8	4.0	2.3								10.0	8.0
W	1.4	2.4	3.1	1.4		.2						8.6	7.7
WNW	1.0	1.2	1.0	.2								3.5	5.3
NW	.7	1.0	.9	.3								3.0	6.5
NNW	1.2	.7	.7									2.6	4.5
VARBL			.5	.7								1.2	10.4
CALM												10.5	
	20.8	28.1	25.9	14.0	.5	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 572

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 - 335 STATION NAME FINTHEN AAF, DL 73-81 OCT  
STATION MONTH  
ALL WEATHER CLASS 1200-1400  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	.9	.2								2.6	6.0
NNE	.4	.7	.4									1.4	5.1
NE	1.4	1.1		.4								2.8	5.1
ENE	1.2	2.3	1.9	1.8								7.2	7.1
E	3.0	3.4	4.6	1.4								12.3	6.4
ESE	1.1	.4	.7	.2								2.3	4.9
SE	1.1	1.4	.4									2.8	4.1
SEE	2.5	1.6	2.3	.2								6.5	5.0
S	1.9	2.1	1.9									6.0	5.3
SSW	.7	1.6	1.6	.9								4.8	6.9
SW	1.1	1.6	3.0	3.5	.4							9.5	9.3
WSW	.2	1.4	3.9	3.2								8.6	9.6
W	.9	2.5	3.4	3.5	.2							10.4	9.2
WNW	.7	1.8	1.8	.2	.2							4.6	6.8
NW	.7	.5	1.2	.7								3.2	7.3
NNW	.7	.9	.4	.4								2.3	6.0
VARBL			1.4	.4								1.9	9.5
CALM												10.6	
	18.0	24.2	29.6	16.8	.7							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 567



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 - 335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	1.2									1.3	6.7
NNE	.7	.2	.4									1.2	4.6
NE	.4	.2	.4	.5								1.4	6.6
ENE	.7	2.1	2.8	.9								6.5	7.2
E	2.6	4.4	4.4	1.1								12.5	6.2
ESE	1.6	2.1	.9									4.6	4.3
SE	.5	.4										.9	3.2
SSE	1.4	1.6	.5	.2								3.7	4.8
S	2.8	2.8	1.1	.7								7.4	5.1
SSW	1.2	1.6	1.2	.7								4.8	6.0
SW	.2	3.4	3.4	3.2								10.1	8.8
WSW	.5	1.8	2.8	1.9	.2							7.2	6.9
W	1.4	3.4	4.6	3.0	.2							12.5	6.3
WNW	.4	1.6	.9	.4								3.2	6.4
NW	.7	.9	1.6									3.2	6.1
NNW	.2	1.6	1.1	.2								3.0	6.6
VARBL			.7	1.2								1.9	11.2
CALM												14.1	
	15.5	28.2	27.9	13.9	.4							170.0	6.0

TOTAL NUMBER OF OBSERVATIONS 567

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 0335 FINTHEN AAF, DL 73-81 OCT  
STATION STATION NAME YEARS MONTHS  
ALL WEATHER 1800-2000  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.1	.2									2.1	4.0
NNE	.6	1.1	.2	.4								2.3	6.0
NE	.7	.2	.4									.8	5.0
ENE	1.5	1.3	1.7	.8								5.3	6.6
E	2.7	5.3	2.5	.2								10.7	5.4
ESE	1.3	.8	.8									2.9	4.9
SE	1.3	.6										1.9	2.8
SSE	1.9	.6	.4									2.9	3.6
S	3.6	1.9	2.1									7.6	4.4
SSW	1.9	2.9	2.3									7.1	5.5
SW	2.5	3.2	3.8	.4								9.9	5.9
WSW	1.3	3.2	2.5	1.1	.2	.2						8.4	7.5
W	1.7	1.9	3.4	1.9								8.4	7.5
WNW	1.5	1.1	.8									3.4	4.6
NW	.8	1.9	1.1									3.8	5.0
NNW	.5	.4	.8	.2								2.1	6.2
VARBL			.2									.2	10.0
CALM												19.7	
	24.2	27.3	23.3	5.0	.2	.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 476

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

1 1335

FINTHEN AAF, DL

77-81

267

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	.6	.5								2.3	4.9
NNE	.7	.6	.4	.1								1.7	4.7
NE	.7	.6	.3	.2								1.6	5.4
ENE	1.8	2.6	2.0	1.2								7.5	6.5
E	2.9	5.1	4.0	1.1								13.0	6.0
ESE	1.4	1.0	.6	.0								3.1	4.3
SE	.8	.8	.1									1.7	3.8
SSE	1.6	1.3	1.0	.1	.0							4.0	5.0
S	2.4	2.5	1.6	.3	.0							6.9	5.2
SSW	1.1	1.4	1.8	.7								4.9	6.7
SW	1.0	2.4	3.3	2.2	.2							9.1	8.2
WSW	.6	3.1	3.7	1.9	.1	.0						9.5	8.1
W	1.6	2.6	3.2	2.0	.1	.0						9.4	7.7
WNW	1.0	1.2	1.0	.2	.0							3.5	5.8
NW	.7	.9	1.0	.3								2.8	6.1
NNW	.6	.8	.6	.2								2.3	5.9
VARBL			.6	.5								1.1	10.5
CALM												15.2	
	19.6	28.0	25.7	11.1	.4	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

2838

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 335 FINTHEN AAF, DL

77-78

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1										2.2	4.0
NNE		1.1	1.1									3.3	5.7
NE		1.1										1.1	4.0
ENE		1.1	1.1									3.3	6.7
E	1.1	1.1	1.1									3.3	4.3
ESE		1.1										2.2	4.5
SE	1.1											1.1	3.0
SSE	1.1	1.1	2.2									4.3	6.0
S		3.3	1.1									4.3	5.8
SSW		1.1	2.2	2.2								6.5	8.2
SW		1.1	3.3	3.3								7.6	9.7
WSW	1.1	1.1	7.6	3.3								13.0	8.7
W	1.1	4.3	5.4	2.2	1.1							14.1	8.8
WNW													
NW	2.2		1.1									3.3	4.3
NNW		1.1										1.1	6.0
VARBL				1.1								2.2	14.0
CALM												27.2	
	9.8	22.8	26.1	13.0	1.1							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

92

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 0335 FINTHEN AAF, DL 73-81 NOV NORTH  
STATION STATION NAME YEARS  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.8	.2									1.7	4.2
NNE	.2	.8										1.5	3.5
NE	.2	.8	.4	.2								2.3	5.6
ENE	1.1	.6	.6	1.9								4.2	8.6
E	1.9	2.3	.9	.2								5.3	4.8
ESE	1.1	.7										2.1	3.5
SE	.8	.8	.2									1.7	4.1
SSE	1.9	1.3	.8									4.0	4.2
S	2.7	3.4	.6	.2								6.6	4.6
SSW	.9	2.5	1.3	.8								5.5	6.3
SW	1.3	2.5	4.9	1.7	.4							10.8	9.1
WSW	3.3	4.5	4.7	2.7	.2							15.2	7.3
W	2.8	3.2	4.4	2.5	.4							13.3	7.5
WNW	1.1	.7	1.3	.8								4.0	6.7
NW	.4	.2	.8									1.3	5.9
NNW	1.1	.5	.6									2.5	4.8
VARBL			.4	.4								.8	10.8
CALM												17.2	
	22.7	25.9	22.0	11.2	.9							120.0	5.4

TOTAL NUMBER OF OBSERVATIONS 526

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 - 335      FINTHEN AAF, DL      73-81      NOV  
STATION      STATION NAME      YEARS      MONTH  
ALL WEATHER      0900-1100  
CLASS      HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.0	.4									2.1	4.5
NNE	1.1	.4	.6	.2								2.3	5.3
NE	.4	.6	1.7	.2								2.1	6.9
ENE	1.0		.4	2.1	.2							4.5	10.4
E	2.7	2.9	2.1	.8								8.4	5.3
ESE	1.1	.4										1.5	2.8
SE		.4	.4									1.0	6.0
SSE	.4	1.5	1.3	.2								3.8	6.1
S	1.9	2.3	1.3	.2								5.7	4.9
SSW	1.3	2.1	2.9	.4	.4							6.7	7.2
SW	.2	3.1	4.2	2.1	.2							10.3	9.0
WSW	2.3	3.4	6.3	3.4	1.0							16.4	8.7
W	1.7	4.0	5.7	2.9	.2							14.5	7.7
WNW	.6	1.0	1.1	.4								3.1	6.8
NW	.4	1.0	.6	.6								2.5	7.1
NNW	1.3	1.5	.8									3.3	5.2
VARBL			1.0									1.0	8.8
CALM												11.3	
	17.4	25.6	30.4	13.4	1.9							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS      523

AD-A134 208

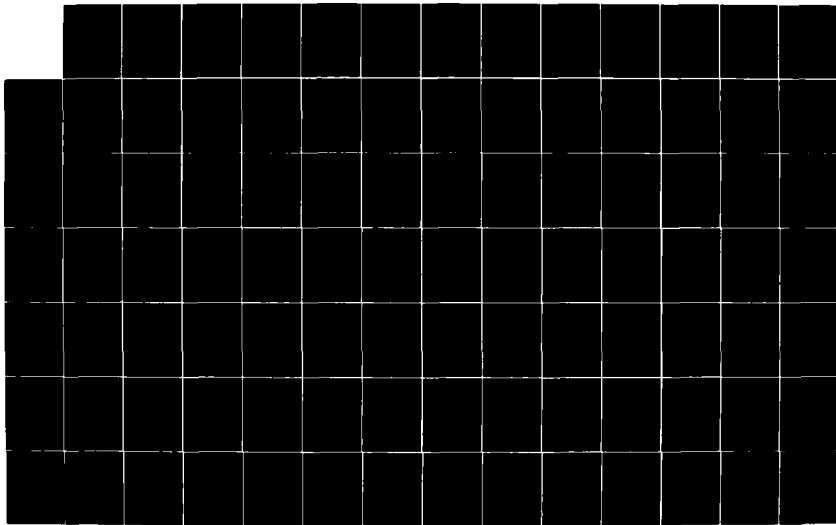
FINTHEN AAF GERMANY (WEST) LIMITED SURFACE OBSERVATIONS  
CLIMATIC SUMMARY (..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. 05 AUG 83  
USAFETAC/DS-83/036 S81-AD-E850 426

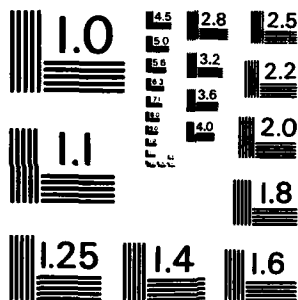
2/4

UNCLASSIFIED

F/G 4/2

NL





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/PAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 0335 FINTHEN AAF, DL 73-81 464  
 STATION NAME YEARS MONTHS  
 ALL WEATHER  
 CLASS  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.6	.2								1.9	5.8
NNE		.6	1.1	.2								2.1	7.7
NE	.2	.6		.2	.2							1.3	7.6
ENE	.2	1.5	1.7	1.5	.4							5.3	9.1
E	1.7	2.8	1.7	.6								6.8	5.8
ESE	.8	.4										1.1	3.2
SE	.4	.9	.4									1.7	4.7
SSE	1.7	2.1	1.3	.2								4.9	5.3
S	1.3	2.1	.8	.4								4.5	5.0
SSW	1.7	1.9	1.7	1.1	.4	.2						7.0	8.1
SW	2.3	1.5	4.7	3.2	.2							11.9	8.2
WSW	1.1	3.4	5.6	3.9	1.1							15.6	9.2
W	1.3	2.4	6.2	4.3	.8							15.0	9.2
WNW	.4	1.1	2.1	.8								4.3	8.0
NW	.9	.6	1.1	.6								3.2	7.2
NNW	.4	1.1	1.1									2.6	6.0
VARBL			.8	1.3	.2							2.3	12.2
CALM												8.6	
	14.5	24.2	30.8	18.4	3.2	.2						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 532

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10335 FINTHEN AAF, DL 73-81 NOV  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1500-1700  
HOURS (L & T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.4	.4	.6								1.9	6.7
NNE	.3	1.3	1.0									2.5	6.2
NE		.4	.2	.4	.4							1.3	11.4
ENE	1.1	2.3	1.0	1.3								5.7	6.9
E	2.1	2.9	1.1									6.1	4.5
ESE	.8	1.9										2.7	4.1
SE	1.7	.6										2.3	3.2
SSE	.8	1.7	1.3									3.8	5.7
S	1.7	1.9	1.3	.4								5.3	5.4
SSW	2.7	1.9	3.0	.6	.8	.2						9.1	7.4
SW	1.1	3.2	4.4	1.7	.8							11.2	8.2
WSW	1.5	3.4	5.5	3.8	.2							14.5	8.4
W	1.0	2.1	6.3	4.6	.6							14.5	9.5
WNW	.2	.4	2.1	.6								3.2	8.8
NW	.4	.8	1.3	.8	.2							3.4	7.9
NNW	1.1	.6	.6									2.3	4.5
VARBL			.8	1.0								1.7	11.1
CALM												8.4	
	17.0	25.7	30.3	15.6	2.9	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 525

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

NCV  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9	.9	.2								3.2	5.8
NNE		2.1	.2									2.3	5.0
NE	.2											.2	3.0
ENE	.7	1.4	.9	1.1								4.1	8.4
E	2.5	3.0	.5									5.9	3.8
ESE	.7	.9										1.6	4.3
SE	.9											.9	2.3
SSE	.7	2.3	.2									3.2	4.8
S	2.7	3.4	1.8	.7								8.7	5.6
SSW	1.1	2.7	1.4	.7		.5	.2					6.6	8.3
SW	.7	5.0	4.8	2.5								13.0	8.0
WSW	1.4	5.5	6.2	3.0	.2							16.2	7.6
W	.7	3.7	5.9	2.3	.7							13.2	8.7
WNW		.5	.7	.2								1.4	8.2
NW	.7	.5	.5									1.6	4.7
NNW	1.4	.2	.5									2.1	3.6
VARBL			.7	.7								1.4	11.7
CALM												14.6	
	15.3	32.0	25.1	11.4	.9	.5	.2					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

438

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

1 0335	FINTHEN AAF, DL	73-81	NCV
STATION	STATION NAME	YEARS	MONTHS
ALL WEATHER			ALL
CLASS			MOUSE (L S T)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	.5	.2								2.1	5.4
NNE	.4	1.1	.6	.1								2.2	5.7
NE	.4	.5	.3	.2	.1							1.5	7.3
ENE	.8	1.2	1.0	1.6	.1							4.6	8.5
E	2.2	2.7	1.3	.3								6.4	4.9
ESE	.9	.9										1.8	3.6
SE	.5	.6	.2									1.5	4.0
SSE	1.1	1.7	1.1	.1								4.0	5.2
S	1.9	2.6	1.1	.3								6.0	5.1
SSW	1.4	2.2	2.1	.8	.3	.2	.0					7.0	7.5
SW	1.2	2.0	4.5	2.3	.3							11.3	8.1
WSW	1.9	4.0	5.7	3.4	.5							15.5	8.3
W	1.5	3.1	5.7	3.3	.5							14.1	8.5
WNW	.5	.7	1.4	.5								3.1	7.6
NW	.6	.5	.9	.4	.0							2.5	6.8
NNW	.9	.9	.7									2.5	5.0
VARBL			.7	.7	.0							1.4	11.3
CALM												12.5	
	17.2	26.4	27.7	14.1	2.0	.2	.0					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2638

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6335  
STATION

FINTHEN AAF, DL

STATION NAME

73-77

YEARS

DEC

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2										2.4	3.0
NNE													
NE				1.2								1.2	12.0
ENE	2.4	6.0	1.2									9.5	5.1
E	3.6	6.0	2.4	1.2								13.1	5.1
ESE			1.2									1.2	10.0
SE	1.2											1.2	3.0
SSE													
S	3.6	1.2	1.2									6.0	4.0
SSW	1.2	2.4	1.2	2.4	1.2							6.3	10.0
SW	3.6	2.4	2.4		1.2							9.5	6.9
WSW	1.2	2.4	4.8	1.2	1.2							13.7	8.8
W	2.4	2.4	2.4	2.4	1.2	1.2						11.9	9.8
WNW		1.2	1.2									2.4	7.0
NW		1.2	1.2	1.2	1.2							4.8	11.5
NNW		2.4										2.4	5.0
VARBL													
CALM												15.5	
	20.2	28.6	19.0	9.5	6.0	1.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

84

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 335 FINTHEN AAF, DL

73-81

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.2	.2									1.5	3.8
NNE		.2	.8	.2								1.2	8.3
NE	1.2	.2	.2									1.5	3.5
ENE	1.2	1.7	2.5	1.0								6.3	6.9
E	4.8	6.0	5.0	.6								16.3	5.4
ESE	.6	.4										1.5	3.4
SE	.6	.6										1.2	3.3
SSE	1.0	1.5	1.9	.2								4.6	6.4
S	1.5	2.3	1.2	.2								5.2	5.3
SSW	1.2	1.7	1.7	.8								5.4	6.6
SW	1.0	2.5	3.6	3.6	1.2							11.9	9.7
WSW	1.3	2.7	6.5	3.5	1.0							15.0	9.5
W	1.5	2.7	4.8	1.0	1.2	.2						11.3	8.6
WNW	.2	.5	.4	.6								1.7	8.3
NW	.4	.4	1.0	.8								2.5	9.3
NNW		.5	.4	.4								1.3	8.6
VARB													
CALM												12.1	
	17.5	24.2	30.1	12.7	3.3	.2						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

521

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10-335  
STATION

FINTHEN AAF, DL

73-81

DEC

ALL WEATHER

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7	.4									1.3	5.6
NNE		.6	.4									.9	6.4
NE	.6	.4	.2	.7								1.8	7.7
ENE	1.5	2.8	2.2	.4								6.8	5.8
E	3.3	5.4	6.5	.4								15.2	6.3
ESE	.4	.4										.7	3.8
SE	.4	1.1	.2									1.7	4.9
SSE	1.3	1.1	.4	1.5								4.3	7.0
S	2.2	1.5	.9									4.6	4.3
SSW	1.8	3.0	2.8	.7	.2							8.5	6.5
SW	.9	2.0	4.8	2.8	.2							10.7	8.7
WSW	1.1	3.5	6.1	4.4	1.8	.4						17.4	10.3
W	.9	3.3	2.8	2.4	.2							9.6	8.3
WNW		.7	1.5	.6	.2							3.0	9.1
NW	.4	.4	.4	.6	.2							1.8	8.5
NNW	.9	.2		.2								1.3	4.4
VARBL			.6									.6	8.7
CALM												9.8	
	15.5	27.0	29.9	14.6	2.8	.4						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

541

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

100335      FINTHEN AAF, DL      73-81      DEC  
STATION      STATION NAME      YEARS      MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1200-1400  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	.6									1.5	5.0
NNE		.4	.2									.6	5.0
NE	.4	.2	.2	.2								.9	5.8
ENE	2.2	2.4	3.7	.7								9.2	6.4
E	2.2	3.0	6.9	.9								13.1	7.1
ESE	.7	.4	.2									1.3	4.0
SE	.7	.6										1.3	4.0
SSE	1.1	1.5	.6	.6								3.7	6.1
S	2.1	2.6	.4	.7								5.8	5.4
SSW	.7	2.8	1.7	.9		.2						6.4	7.4
SW	1.3	2.4	3.6	1.9	.6							10.1	8.3
WSW	1.3	2.2	5.8	7.3	1.7	.4						18.7	10.9
W	.6	2.2	2.4	2.8	1.9	.6						10.9	11.4
WNW		.9	1.7	.2	.4							3.2	9.4
NW	.6	1.1	.4	1.1	.4							3.6	9.2
NNW	.9	.7	.6	.2								2.4	5.6
VARBL			.2	.9								1.1	11.7
CALM												6.2	
	15.4	24.5	29.4	18.5	4.9	1.1						120.0	7.8

TOTAL NUMBER OF OBSERVATIONS      534



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

104335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.6	.4									2.9	4.3
NNE	.4	1.7	.2									1.6	4.5
NE		.5	1.0									1.6	7.3
ENE	2.0	3.7	1.8	.2								7.6	5.2
E	2.3	3.7	5.3	.4								11.7	6.4
ESE	.8	.4										1.2	3.2
SE	1.0	.6	.4									2.0	4.0
SSE	2.0	2.2	.4									4.5	3.7
S	2.3	.0	1.0	.4								4.5	4.9
SSW	.6	3.3	1.6	2.0	.2							7.6	7.7
SW	.8	2.5	4.9	1.8	.2							10.2	8.4
WSW	.8	1.8	4.9	6.8	1.6							15.9	11.1
W	.8	2.7	2.7	2.9	1.2	.2						10.6	10.1
WNW		.4	1.0	1.0	.2							2.5	10.8
NW	.4	1.7	.6	.4								2.3	7.3
NNW	.2	1.4	.4									2.0	5.5
VARBL			.6	.6								1.2	10.7
CALM												10.2	
	15.3	27.6	27.0	16.4	3.3	.2						170.0	6.9

TOTAL NUMBER OF OBSERVATIONS

511

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.9										1.2	4.5
NNE	.9	1.5	.6	.3								3.2	5.8
NE	.6	1.2	.3									2.0	4.4
ENE	1.5	2.6	1.5	.6								6.1	5.5
E	2.6	5.5	5.2	.3								13.7	6.1
ESE	1.2	.6										1.7	3.2
SE	1.7	.6										2.3	3.0
SSE	.9	1.7	.6									3.2	4.6
S	.9	1.7	1.2	.6								4.4	6.3
SSW	.3	2.0	3.5	.9	.3							7.3	8.3
SW	.6	2.6	4.9	1.5								9.6	7.9
WSW	1.2	2.3	5.5	4.9	1.5							15.4	10.0
W	1.5	2.9	2.6	2.9	2.0	.6						12.5	10.5
WNW	1.7	.9	.6	.9								4.1	6.3
NW	.6	.6	.6	.3								2.0	6.6
NNW	.3	.6			.3							1.2	7.3
VARBL			.6									.6	8.5
CALM												9.9	
	16.6	28.2	27.6	13.1	4.1	.6						130.0	6.8

TOTAL NUMBER OF OBSERVATIONS 344

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

106335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

DLC  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.8	.3									1.7	4.5
NNE	.2	.4	.4	.1								1.3	6.0
NE	.5	.4	.4	.2								1.5	6.0
ENE	1.7	2.9	2.4	.6								7.4	6.0
E	3.0	4.7	5.7	.6								14.0	6.2
ESE	.7	.4	.1									1.1	3.7
SE	.8	.7	.1									1.6	3.9
SSE	1.2	1.5	.7	.5								4.0	5.7
S	1.9	1.8	.9	.4								5.0	5.1
SSW	1.0	2.6	2.1	1.1	.2	.0						7.0	7.3
SW	1.0	2.5	4.3	2.3	.5							10.5	8.6
WSW	1.1	2.5	5.8	5.3	1.5	.2						16.4	10.4
W	1.1	2.9	3.2	2.4	1.2	.3						10.9	9.8
WNW	.3	.7	1.1	.6	.2							2.8	6.8
NW	.4	.7	.6	.7	.2							2.6	8.6
NNW	.5	.7	.3	.2	.0							1.7	6.0
VARBL			.4	.3								.7	10.4
CALM												9.8	
	16.1	26.2	28.6	15.0	3.7	.5						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2535

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING																
$\geq 1800$																
$\geq 1500$					91.0											92.6
$\geq 1200$																
$\geq 1000$																
$\geq 900$																
$\geq 800$																
$\geq 700$																
$\geq 600$																
$\geq 500$										97.4						98.1
$\geq 400$																
$\geq 300$																
$\geq 200$																
$\geq 100$																
$\geq 0$					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

##### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

##### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 4335  
STATION

FINTHEN AAF, DL

73, 75-79

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO. CEILING ≥ 20000	11.1	13.7	15.3	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
18000	12.5	15.3	16.7	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
16000	12.5	15.3	16.7	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
14000	12.5	15.3	16.7	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
12000	12.5	15.3	16.7	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
10000	12.5	15.3	16.7	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
9000	12.5	15.3	16.7	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
8000	15.3	18.1	19.4	25.0	25.0	25.0	25.0	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
7000	16.7	19.4	20.8	26.4	26.4	26.4	26.4	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
6000	16.7	19.4	20.8	26.4	26.4	26.4	26.4	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
5000	19.4	22.2	23.6	29.2	29.2	29.2	29.2	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
4500	23.6	27.8	29.2	34.7	34.7	34.7	34.7	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
4000	23.6	27.8	29.2	34.7	34.7	34.7	34.7	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
3500	29.2	33.3	34.7	40.3	41.7	41.7	41.7	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
3000	30.6	37.5	38.9	47.2	48.6	48.6	48.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
2500	31.9	38.9	40.3	48.6	50.0	50.0	51.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
2000	38.9	47.2	48.6	58.3	59.7	59.7	61.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
1800	40.3	48.6	50.0	61.1	62.5	62.5	63.9	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
1500	47.2	56.9	58.3	73.6	75.0	75.0	76.4	77.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
1200	50.0	59.7	62.5	79.2	80.6	80.6	81.9	83.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
1000	52.8	62.5	65.3	83.3	84.7	84.7	86.1	87.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
900	52.8	62.5	65.3	83.3	86.1	86.1	87.5	88.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
800	52.8	62.5	65.3	83.3	86.1	86.1	87.5	88.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
700	52.8	62.5	65.3	83.3	86.1	86.1	87.5	88.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
600	52.8	62.5	65.3	83.3	86.1	86.1	87.5	88.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
500	52.8	62.5	65.3	83.3	86.1	86.1	87.5	88.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
400	52.8	62.5	65.3	83.3	86.1	86.1	87.5	88.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
300	52.8	62.5	65.3	83.3	86.1	86.1	87.5	88.9	93.1	93.1	93.1	93.1	93.1	94.4	94.4	94.4
200	52.8	62.5	65.3	83.3	86.1	86.1	87.5	88.9	93.1	93.1	93.1	93.1	93.1	94.4	94.4	97.2
100	52.8	62.5	65.3	83.3	86.1	86.1	87.5	88.9	93.1	93.1	93.1	93.1	93.1	95.8	95.8	100.0
0	52.8	62.5	65.3	83.3	86.1	86.1	87.5	88.9	93.1	93.1	93.1	93.1	93.1	95.8	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 72

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1335 FINTHEN AAF, DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-2800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ 0
NO CEILING	7.5	9.3	10.5	14.4	14.8	14.9	15.7	16.7	16.7	16.7	16.7	17.1	17.1	17.1	18.1	18.7
≥ 20000	8.3	10.1	11.4	15.5	15.8	16.0	16.7	18.0	18.0	18.0	18.0	18.3	18.3	18.5	19.6	20.3
≥ 18000	8.0	10.1	11.4	15.5	15.8	16.0	16.7	18.0	18.0	18.0	18.0	18.3	18.3	18.5	19.6	20.3
≥ 16000	8.0	10.1	11.4	15.5	15.8	16.0	16.7	18.0	18.0	18.0	18.0	18.3	18.3	18.5	19.6	20.3
≥ 14000	8.0	10.1	11.4	15.5	15.8	16.0	16.7	18.0	18.0	18.0	18.0	18.3	18.3	18.5	19.6	20.3
≥ 12000	8.0	10.1	11.4	15.5	15.8	16.0	16.7	18.0	18.0	18.0	18.0	18.3	18.3	18.5	19.6	20.3
≥ 10000	8.0	10.5	11.7	16.4	16.7	16.9	17.6	18.9	18.9	18.9	19.2	19.2	19.2	19.4	20.5	21.2
≥ 9000	8.4	10.7	11.9	16.7	17.1	17.3	18.0	19.4	19.4	19.4	19.8	19.8	19.8	19.9	21.0	21.7
≥ 8000	10.0	12.6	14.1	19.0	19.6	19.8	20.5	21.9	21.9	22.2	22.6	22.6	22.6	22.8	23.8	24.6
≥ 7000	10.9	13.5	14.9	20.1	21.2	21.4	22.1	23.5	23.5	23.8	24.2	24.2	24.2	24.4	25.4	26.2
≥ 6000	10.9	13.5	14.9	20.1	21.2	21.4	22.1	23.5	23.5	23.8	24.2	24.2	24.2	24.4	25.4	26.2
≥ 5000	13.0	15.8	17.3	22.4	23.5	23.7	24.4	26.2	26.2	26.5	26.9	26.9	26.9	27.0	28.1	28.8
≥ 4500	14.4	17.3	18.9	24.2	25.3	25.4	26.2	27.9	27.9	28.3	28.6	28.6	28.6	28.8	29.9	30.6
≥ 4000	16.2	19.6	21.9	28.3	29.4	29.5	30.4	32.4	32.4	32.7	33.1	33.1	33.1	33.3	34.3	35.1
≥ 3500	19.6	23.1	25.8	32.7	33.8	34.0	34.9	37.0	37.0	37.5	37.9	37.9	37.9	38.1	39.1	39.9
≥ 3000	23.0	26.3	31.7	39.5	41.6	41.8	42.9	45.0	45.0	46.6	47.2	47.2	47.2	47.3	48.4	49.1
≥ 2500	24.2	30.4	33.8	42.0	44.3	44.5	46.1	48.2	48.4	50.2	50.7	50.7	50.7	50.9	52.0	52.7
≥ 2000	31.0	39.1	42.9	53.2	55.9	56.0	58.5	61.0	61.9	63.9	64.4	64.4	64.4	64.6	65.7	66.4
≥ 1800	31.3	39.7	44.0	54.6	57.3	57.5	60.1	62.6	63.9	65.8	66.4	66.4	66.4	66.5	67.6	68.3
≥ 1500	32.7	42.3	46.8	56.5	62.1	62.3	65.1	67.6	69.2	71.4	71.9	71.9	71.9	72.1	73.1	73.8
≥ 1200	35.6	45.7	50.5	63.5	67.6	67.8	71.5	74.2	76.0	78.1	78.8	78.8	78.8	79.2	80.8	81.5
≥ 1000	35.8	45.9	50.7	64.2	68.9	69.0	73.3	76.3	78.1	80.6	81.3	81.3	81.3	81.7	83.3	84.0
≥ 900	35.8	45.9	50.9	65.1	70.1	70.3	74.6	77.8	79.5	82.0	82.7	82.7	82.7	83.3	84.9	85.9
≥ 800	35.9	45.9	50.9	65.3	70.3	70.5	75.1	78.5	80.4	82.9	83.6	83.6	83.6	84.7	86.3	87.4
≥ 700	35.8	45.9	50.9	65.5	70.5	70.6	75.6	79.2	81.5	84.0	84.7	84.7	84.7	85.8	87.4	88.4
≥ 600	35.9	45.9	50.9	65.5	70.5	70.6	75.6	79.2	81.5	84.0	84.7	84.7	84.7	85.8	87.4	88.4
≥ 500	35.8	45.9	50.9	65.5	70.5	70.6	75.6	79.4	82.0	84.5	85.8	85.8	85.8	87.0	88.6	89.7
≥ 400	35.8	45.9	50.9	65.5	70.5	70.6	76.0	80.1	82.9	85.8	87.0	87.0	87.0	88.6	90.2	91.3
≥ 300	35.8	45.9	50.9	65.5	70.5	70.6	76.0	80.2	83.5	86.5	87.7	87.7	87.7	89.3	92.0	93.8
≥ 200	35.8	45.9	50.9	65.5	70.5	70.6	76.2	80.4	83.6	86.7	88.1	88.1	88.1	90.0	93.4	96.8
≥ 100	35.8	45.9	50.9	65.5	70.5	70.6	76.2	80.4	83.8	86.8	88.3	88.3	88.3	90.2	94.0	99.5
≥ 0	35.8	45.9	50.9	65.5	70.5	70.6	76.2	80.4	83.8	86.8	88.3	88.3	88.3	90.2	94.1	100.0

TOTAL NUMBER OF OBSERVATIONS 562

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1-335 FINTHEN AAF, DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	7.2	8.9	9.3	11.8	13.2	13.6	13.7	14.1	15.1	16.1	16.3	16.3	16.6	17.3	17.7	18.0
≥ 20000	7.7	10.3	10.5	13.9	15.3	15.6	16.0	16.3	17.7	18.7	18.9	18.9	19.2	19.9	20.2	20.6
≥ 18000	7.9	10.5	11.0	14.2	15.6	16.0	16.3	16.6	18.0	19.0	19.2	19.2	19.6	20.2	20.6	21.1
≥ 16000	7.9	10.5	11.0	14.2	15.6	16.0	16.3	16.6	18.0	19.0	19.2	19.2	19.6	20.2	20.6	21.1
≥ 14000	7.9	10.5	11.0	14.2	15.6	16.0	16.3	16.6	18.0	19.0	19.2	19.2	19.6	20.2	20.6	21.1
≥ 12000	7.9	10.5	11.0	14.2	15.6	16.0	16.3	16.6	18.0	19.0	19.2	19.2	19.6	20.2	20.6	21.1
≥ 10000	8.9	11.7	12.2	15.4	16.8	17.2	17.5	17.8	19.2	20.4	20.6	20.6	20.9	21.6	22.0	22.5
≥ 9500	9.4	12.2	12.7	16.0	17.3	17.7	18.0	18.4	19.7	20.9	21.1	21.1	21.4	22.1	22.5	23.0
≥ 8000	11.3	14.4	15.4	19.6	21.6	22.0	22.6	23.0	24.4	25.6	25.7	25.7	26.1	26.8	27.1	27.6
≥ 7000	11.5	14.6	15.8	20.1	22.8	23.2	23.8	24.2	25.6	26.8	26.9	26.9	27.3	28.3	28.6	29.2
≥ 6000	12.0	15.1	16.3	20.6	23.3	23.7	24.4	24.7	26.1	27.3	27.4	27.4	27.8	28.8	29.2	29.7
≥ 5000	12.9	16.1	17.3	21.6	24.7	25.0	25.7	26.1	27.4	28.6	28.8	28.8	29.2	30.2	30.5	31.0
≥ 4500	14.2	17.8	19.0	24.0	27.1	27.4	28.1	28.5	29.8	31.0	31.2	31.2	31.6	32.6	32.9	33.4
≥ 4000	17.7	21.6	22.8	28.3	31.9	32.2	32.9	33.3	34.6	35.8	36.2	36.2	36.5	37.6	37.9	38.4
≥ 3500	19.7	23.8	25.0	31.2	35.3	36.2	37.0	37.6	39.1	40.3	40.7	40.7	41.0	42.0	42.4	42.9
≥ 3000	22.1	26.2	27.8	35.5	41.0	42.0	43.1	43.7	45.3	46.7	47.0	47.0	47.3	48.7	49.1	49.6
≥ 2500	23.3	28.3	29.8	38.3	43.9	45.1	46.3	47.2	48.7	50.1	50.4	50.4	50.8	52.1	52.5	53.0
≥ 2000	28.3	34.0	35.8	45.5	52.7	54.0	56.4	58.1	60.2	61.7	62.1	62.3	62.6	64.2	64.5	65.0
≥ 1800	28.8	35.3	37.6	47.3	54.5	55.9	58.3	60.0	62.1	64.0	64.3	64.7	65.2	66.7	67.1	67.6
≥ 1500	32.2	38.9	41.2	51.5	59.3	60.9	63.6	65.7	67.8	69.8	70.2	70.5	71.0	72.6	72.9	73.4
≥ 1200	34.1	42.2	44.6	56.1	64.7	66.4	69.8	72.2	74.3	76.8	77.2	77.5	78.2	79.8	80.3	80.8
≥ 1000	34.3	42.9	45.5	57.6	66.4	68.6	72.4	75.0	77.5	80.1	80.6	81.0	81.6	83.2	83.9	84.4
≥ 900	34.8	42.9	45.5	57.8	66.6	68.8	73.4	76.0	78.6	81.1	81.8	82.2	82.8	84.4	85.1	85.8
≥ 800	34.9	43.1	46.0	58.5	67.6	69.8	74.4	77.0	79.6	83.2	83.9	84.2	84.9	86.6	87.3	88.0
≥ 700	34.8	43.1	46.0	58.5	67.8	70.0	74.8	77.7	80.6	84.2	85.1	85.4	86.4	88.3	89.0	89.7
≥ 600	34.8	43.1	46.0	58.5	67.8	70.0	75.0	77.9	80.8	84.6	85.4	85.9	87.0	89.0	89.7	90.4
≥ 500	34.9	43.1	46.0	58.5	67.8	70.0	75.0	77.9	80.8	85.2	86.1	87.0	88.2	90.2	90.9	91.6
≥ 400	34.8	43.1	46.0	58.5	67.8	70.0	75.0	78.0	81.0	86.1	87.0	88.0	89.2	91.4	92.3	93.0
≥ 300	34.8	43.1	46.0	58.5	67.8	70.0	75.0	78.2	81.3	86.6	87.5	88.5	89.7	92.1	93.3	94.7
≥ 200	34.8	43.1	46.0	58.5	67.8	70.0	75.0	78.2	81.3	86.6	87.5	88.5	89.9	93.3	95.2	98.1
≥ 100	34.8	43.1	46.0	58.5	67.8	70.0	75.0	78.2	81.5	87.0	87.8	88.9	90.2	93.7	96.1	99.8
≥ 0	34.8	43.1	46.0	58.5	67.8	70.0	75.0	78.2	81.5	87.0	87.8	88.9	90.2	93.7	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 583

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 33<sup>E</sup> FINTHEN AAF, DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1222-1422

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	4.6	5.9	6.5	10.0	11.7	11.9	12.6	13.9	14.1	15.1	15.3	15.5	15.7	15.8	16.0	16.2
≥ 20000	5.5	7.4	8.6	12.2	13.9	14.1	14.8	16.4	16.5	17.6	17.7	17.9	18.1	18.2	18.4	18.6
≥ 18000	5.5	7.6	8.8	13.4	15.1	15.3	16.0	17.6	17.7	18.8	18.9	19.1	19.3	19.4	19.6	19.8
≥ 16000	5.5	7.6	8.8	13.4	15.1	15.3	16.0	17.6	17.7	18.8	18.9	19.1	19.3	19.4	19.6	19.8
≥ 14000	5.7	7.7	9.1	13.6	15.3	15.5	16.2	17.7	17.9	18.9	19.1	19.3	19.4	19.6	19.8	20.0
≥ 12000	6.1	8.3	9.5	14.1	15.8	16.0	16.7	18.2	18.4	19.4	19.6	19.8	20.0	20.1	20.3	20.5
≥ 10000	6.4	9.3	10.7	15.3	17.2	17.4	18.1	19.6	19.8	20.8	21.0	21.2	21.3	21.5	21.7	21.9
≥ 9000	7.2	9.6	11.1	15.7	17.6	17.7	18.4	20.0	20.1	21.2	21.3	21.5	21.7	21.9	22.0	22.2
≥ 8000	9.6	12.2	14.1	19.3	21.7	22.2	23.1	25.0	25.1	26.2	26.3	26.5	26.7	26.9	27.0	27.2
≥ 7000	10.2	12.7	14.6	19.8	22.4	23.1	24.1	26.0	26.2	27.2	27.4	27.5	27.7	27.9	28.1	28.2
≥ 6000	10.2	12.7	14.6	19.8	22.4	23.1	24.1	26.0	26.2	27.2	27.4	27.5	27.7	27.9	28.1	28.2
≥ 5000	11.9	15.1	17.1	22.7	25.6	26.5	27.5	29.4	29.6	30.6	30.8	31.0	31.2	31.3	31.5	31.7
≥ 4500	13.6	16.9	18.8	24.6	27.5	28.4	29.4	31.3	31.5	32.5	32.7	32.9	33.0	33.2	33.4	33.6
≥ 4000	16.5	20.5	22.9	29.4	33.2	34.1	35.1	37.2	37.3	38.4	38.6	38.7	38.9	39.1	39.2	39.4
≥ 3500	19.1	23.8	26.2	33.4	38.9	39.9	41.1	43.2	43.4	44.6	44.8	44.9	45.1	45.3	45.4	45.6
≥ 3000	25.1	29.9	32.5	41.1	47.0	48.9	50.8	52.8	53.0	54.4	54.6	54.7	54.9	55.1	55.2	55.4
≥ 2500	26.7	31.8	34.9	43.9	50.8	52.7	54.9	57.0	57.1	58.5	58.7	58.9	59.0	59.4	59.6	59.7
≥ 2000	29.9	35.5	39.6	50.1	59.4	61.4	64.0	66.1	66.6	68.3	68.7	68.8	69.2	69.5	69.7	69.9
≥ 1800	31.2	36.7	40.8	51.6	60.9	63.0	65.9	68.2	68.7	70.4	70.7	70.9	71.3	71.6	71.8	71.9
≥ 1500	32.7	38.2	42.3	55.2	64.9	67.3	71.1	73.7	74.2	76.2	76.6	76.8	77.1	77.6	77.8	78.0
≥ 1200	35.3	41.3	45.4	59.4	69.5	72.5	77.3	79.9	80.7	83.3	83.6	83.8	84.3	84.9	85.0	85.2
≥ 1000	36.0	42.2	46.5	60.4	70.7	73.8	79.2	81.8	82.9	85.4	85.7	86.1	86.6	87.3	87.4	87.6
≥ 900	36.0	42.2	46.5	60.4	71.1	74.2	79.9	82.4	83.5	86.2	86.6	86.9	87.4	88.1	88.3	88.5
≥ 800	36.1	42.3	46.6	60.9	71.6	74.7	80.7	83.5	84.7	87.4	87.8	88.1	88.6	89.3	89.5	89.7
≥ 700	36.1	42.3	46.6	60.9	71.6	74.7	80.7	83.5	85.0	88.1	88.5	88.8	89.5	90.2	90.4	90.5
≥ 600	36.1	42.3	46.6	61.3	72.1	75.2	81.2	84.2	85.7	89.2	89.5	89.8	90.9	91.7	91.9	92.3
≥ 500	36.1	42.3	46.6	61.3	72.1	75.2	81.6	84.9	86.4	90.0	90.4	90.7	91.9	92.8	92.9	93.3
≥ 400	36.1	42.3	46.6	61.3	72.1	75.2	81.6	85.0	86.6	90.7	91.0	91.4	92.9	94.3	95.0	95.4
≥ 300	36.1	42.3	46.6	61.3	72.1	75.2	81.6	85.0	86.7	91.7	92.1	92.6	94.1	95.5	96.2	97.1
≥ 200	36.1	42.3	46.6	61.3	72.1	75.2	81.6	85.0	86.7	91.7	92.1	92.6	94.3	96.2	97.1	99.0
≥ 100	36.1	42.3	46.6	61.3	72.1	75.2	81.6	85.0	86.7	91.7	92.1	92.6	94.3	96.2	97.4	100.0
≥ 0	36.1	42.3	46.6	61.3	72.1	75.2	81.6	85.0	86.7	91.7	92.1	92.6	94.3	96.2	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 581

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10F335 FINTHEN AAF, DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	6.5	7.9	17.0	14.5	16.5	16.9	19.4	19.8	19.8	20.1	20.1	20.1	20.1	20.3	20.3	20.3
≥ 20000	7.2	9.8	17.0	16.9	18.9	19.4	22.4	22.9	22.9	23.4	23.4	23.4	23.4	23.6	23.6	23.6
≥ 18000	7.6	13.3	12.6	18.1	20.1	20.7	23.6	24.1	24.1	24.6	24.6	24.6	24.6	24.8	24.8	24.8
≥ 16000	7.6	17.3	12.6	18.1	20.1	20.7	23.6	24.1	24.1	24.6	24.6	24.6	24.6	24.8	24.8	24.8
≥ 14000	7.6	10.3	12.6	18.1	20.1	20.7	23.6	24.1	24.1	24.6	24.6	24.6	24.6	24.8	24.8	24.8
≥ 12000	8.1	11.0	11.3	19.9	21.0	21.5	24.4	25.0	25.0	25.5	25.5	25.5	25.5	25.6	25.6	25.6
≥ 10000	8.8	12.0	14.3	20.0	22.0	22.5	25.5	26.0	26.0	26.5	26.5	26.5	26.5	26.7	26.7	26.7
≥ 9000	9.3	12.6	14.8	20.7	22.7	23.2	26.3	26.9	26.9	27.4	27.4	27.4	27.4	27.5	27.5	27.5
≥ 8000	12.4	16.4	16.6	24.8	26.9	27.5	31.0	31.5	31.5	32.2	32.2	32.2	32.2	32.4	32.4	32.4
≥ 7000	13.3	17.4	19.6	25.8	27.9	28.6	32.0	32.5	32.5	33.2	33.2	33.2	33.2	33.4	33.4	33.4
≥ 6000	13.6	17.7	20.0	26.2	28.2	28.9	32.4	32.9	32.9	33.6	33.6	33.6	33.6	33.7	33.7	33.7
≥ 5000	15.0	19.5	22.2	28.9	31.0	31.7	35.1	35.6	35.6	36.3	36.3	36.3	36.3	36.5	36.5	36.5
≥ 4500	15.7	20.7	23.2	30.3	32.5	33.2	37.0	37.5	37.5	38.2	38.2	38.2	38.2	38.4	38.4	38.4
≥ 4000	17.2	22.4	25.1	33.9	36.5	37.2	41.0	41.7	41.7	42.3	42.3	42.3	42.3	42.5	42.5	42.5
≥ 3500	21.0	26.3	29.1	38.7	41.5	42.9	46.8	47.5	47.5	48.2	48.2	48.2	48.2	48.5	48.5	48.5
≥ 3000	27.0	33.4	36.1	46.3	49.6	51.6	55.9	56.8	57.0	57.8	57.8	57.8	57.8	58.2	58.3	58.3
≥ 2500	30.0	37.7	47.6	50.9	55.1	57.1	61.4	62.3	62.5	63.5	63.5	63.5	63.5	63.9	64.0	64.0
≥ 2000	33.2	41.5	45.8	57.5	62.7	65.9	70.6	71.6	72.1	73.3	73.3	73.3	73.5	73.8	74.0	74.0
≥ 1800	33.4	41.7	46.7	58.0	63.3	66.6	71.8	72.8	73.5	74.7	74.7	74.7	74.9	75.2	75.4	75.4
≥ 1500	34.4	42.9	47.7	61.1	67.1	70.9	76.2	77.6	78.5	79.7	79.7	79.7	80.0	80.4	80.6	80.6
≥ 1200	35.1	44.2	49.2	63.2	69.9	73.8	79.7	81.2	82.6	84.3	84.5	84.5	84.9	85.2	85.4	85.4
≥ 1000	35.6	45.4	51.6	65.1	72.3	76.6	82.6	84.2	85.5	87.3	87.6	87.6	88.0	88.3	88.5	88.5
≥ 900	35.6	45.4	51.6	65.2	72.6	77.1	83.1	84.7	86.2	88.3	88.6	88.6	89.0	89.3	89.5	89.5
≥ 800	35.6	45.4	50.6	65.2	73.0	77.5	83.6	85.7	87.3	89.3	89.7	89.7	90.0	90.4	90.5	90.5
≥ 700	35.6	45.4	50.6	65.4	73.3	77.8	84.2	86.6	88.3	90.4	90.7	90.7	91.2	91.7	91.9	91.9
≥ 600	35.6	45.4	50.6	65.4	73.3	77.8	84.3	86.7	88.5	90.5	90.9	90.9	91.4	92.1	92.3	92.3
≥ 500	35.6	45.4	50.6	65.4	73.3	77.8	84.3	87.3	90.0	92.3	92.6	92.8	93.3	94.0	94.1	94.1
≥ 400	35.6	45.4	50.6	65.4	73.3	77.8	84.3	87.4	90.7	93.1	93.5	93.6	94.1	95.2	95.7	95.9
≥ 300	35.6	45.4	50.6	65.4	73.3	77.8	84.3	87.4	90.7	93.3	93.6	93.8	94.3	95.7	96.4	96.6
≥ 200	35.6	45.4	50.6	65.4	73.3	77.8	84.3	87.4	90.7	93.3	93.6	93.8	94.3	97.2	98.5	99.1
≥ 100	35.6	45.4	50.6	65.4	73.3	77.8	84.3	87.4	90.7	93.3	93.6	93.8	94.3	97.8	99.1	100.0
≥ 0	35.6	45.4	50.6	65.4	73.3	77.8	84.3	87.4	90.7	93.3	93.6	93.8	94.3	97.8	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 581

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	5.4	10.8	12.6	16.2	17.8	18.4	21.4	23.2	23.2	23.6	24.0	24.0	24.2	24.4	24.4	24.6
≥ 20000	17.6	13.2	15.6	20.0	21.8	22.8	25.7	27.9	27.9	28.3	28.7	28.7	28.9	29.1	29.1	29.3
IV 18000	10.8	13.4	15.8	20.2	22.2	23.2	26.1	28.3	28.3	28.7	29.1	29.1	29.3	29.5	29.5	29.7
IV 16000	10.8	13.4	15.8	20.2	22.2	23.2	26.1	28.3	28.3	28.7	29.1	29.1	29.3	29.5	29.5	29.7
IV 14000	10.8	13.4	15.8	20.2	22.2	23.2	26.1	28.3	28.3	28.7	29.1	29.1	29.3	29.5	29.5	29.7
IV 12000	11.4	14.4	16.8	21.2	23.2	24.2	27.1	29.3	29.3	29.7	30.1	30.1	30.3	30.5	30.5	30.7
IV 10000	11.4	15.0	17.4	21.8	23.8	24.8	27.7	29.9	29.9	30.3	30.7	30.7	30.9	31.1	31.1	31.3
IV 9000	12.0	15.6	18.0	22.4	24.4	25.3	28.3	30.5	30.5	30.9	31.3	31.3	31.5	31.7	31.7	31.9
IV 8000	14.0	18.6	21.2	26.5	29.7	29.7	32.9	35.1	35.1	35.5	35.9	35.9	36.1	36.3	36.3	36.5
IV 7000	15.0	19.6	22.2	27.7	29.9	30.9	34.1	36.3	36.3	36.7	37.1	37.1	37.3	37.5	37.5	37.7
IV 6000	15.0	19.6	22.2	27.7	29.9	30.9	34.1	36.3	36.3	36.7	37.1	37.1	37.3	37.5	37.5	37.7
IV 5000	16.2	20.8	23.4	29.3	31.5	32.7	35.9	38.1	38.1	38.5	38.9	38.9	39.1	39.3	39.3	39.5
IV 4500	17.2	21.8	24.4	30.7	32.9	34.1	37.3	39.5	39.5	39.9	40.3	40.3	40.5	40.7	40.7	40.9
IV 4000	18.2	23.2	25.7	32.9	35.9	37.1	40.3	42.5	42.5	42.9	43.3	43.3	43.5	43.7	43.7	43.9
IV 3500	19.4	25.0	27.5	34.7	37.9	39.3	42.5	44.7	44.7	45.1	45.5	45.5	45.7	46.1	46.1	46.3
IV 3000	23.6	30.5	33.5	42.7	48.1	49.9	53.3	55.7	56.1	56.5	56.9	56.9	57.1	57.7	57.7	57.9
IV 2500	27.1	35.1	39.1	49.3	55.7	57.9	61.3	64.1	64.5	64.9	65.3	65.3	65.5	66.1	66.1	66.3
IV 2000	30.7	40.3	44.9	57.3	64.5	67.1	70.9	73.7	74.1	75.0	75.6	75.6	75.8	76.6	76.6	76.8
IV 1800	32.3	41.7	46.7	59.7	66.9	69.5	73.3	76.2	76.6	77.6	78.2	78.2	78.4	79.2	79.2	79.4
IV 1500	33.7	43.9	49.1	62.3	70.3	72.9	76.8	80.6	81.0	82.0	82.6	82.6	82.8	83.6	83.6	83.8
IV 1200	35.3	45.7	50.9	64.5	74.1	76.6	80.8	85.2	85.6	86.6	87.2	87.2	87.4	88.4	88.4	88.6
IV 1000	35.5	45.9	51.1	65.5	75.6	78.4	82.6	87.0	87.4	88.4	89.0	89.0	89.2	90.2	90.2	90.4
IV 900	35.5	45.9	51.1	65.5	76.2	79.0	83.2	87.8	88.2	89.4	90.0	90.0	90.2	91.2	91.2	91.4
IV 800	35.5	45.9	51.1	65.5	76.4	79.2	83.4	88.4	89.0	90.4	91.0	91.0	91.2	92.4	92.4	92.6
IV 700	35.5	45.9	51.1	65.5	76.4	79.2	83.4	88.4	89.0	90.4	91.0	91.0	91.2	92.4	92.4	92.6
IV 600	35.5	45.9	51.1	65.5	76.8	79.6	83.8	88.8	89.6	92.2	92.8	92.8	93.0	94.2	94.2	94.4
IV 500	35.5	45.9	51.1	65.5	76.8	79.6	83.8	88.8	89.6	92.4	93.0	93.2	93.6	94.8	94.8	95.0
IV 400	35.5	45.9	51.1	65.5	76.8	79.6	84.0	89.0	90.4	93.4	94.0	94.2	94.8	96.0	96.0	96.2
IV 300	35.5	45.9	51.1	65.5	76.8	79.6	84.0	89.0	90.4	93.4	94.0	94.4	95.2	97.6	98.4	99.8
IV 200	35.5	45.9	51.1	65.5	76.8	79.6	84.0	89.0	90.4	93.4	94.0	94.4	95.2	97.6	98.4	99.8
IV 100	35.5	45.9	51.1	65.5	76.8	79.6	84.0	89.0	90.4	93.4	94.0	94.4	95.2	97.6	98.4	99.8
IV 0	35.5	45.9	51.1	65.5	76.8	79.6	84.0	89.0	90.4	93.4	94.0	94.4	95.2	97.6	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 501

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## CEILING VERSUS VISIBILITY

1 335  
STATION

FINTHEN AAF, DL

STATION NAME

73-81

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	5.9	8.6	9.8	13.4	14.8	15.1	16.5	17.4	17.7	18.2	18.4	18.5	18.6	19.1	19.3	19.4
≥ 20000	7.8	10.2	11.7	15.7	17.2	17.6	19.0	20.1	20.5	21.0	21.3	21.3	21.5	21.9	22.1	22.3
≥ 18000	8.0	10.4	11.9	16.3	17.8	18.2	19.7	20.8	21.1	21.7	21.9	21.9	22.1	22.5	22.7	23.0
≥ 16000	8.0	10.4	11.9	16.3	17.8	18.2	19.7	20.8	21.1	21.7	21.9	21.9	22.1	22.5	22.7	23.0
≥ 14000	8.0	10.5	11.9	16.4	17.8	18.2	19.7	20.8	21.1	21.7	21.9	21.9	22.1	22.6	22.8	23.0
≥ 12000	8.3	10.9	12.4	16.6	18.3	18.7	20.1	21.3	21.6	22.2	22.4	22.4	22.6	23.0	23.2	23.4
≥ 10000	8.9	11.7	13.2	17.8	19.3	19.7	21.1	22.3	22.6	23.2	23.4	23.4	23.6	24.1	24.3	24.5
≥ 9000	9.3	12.1	13.6	18.3	19.8	20.2	21.7	22.8	23.1	23.8	24.0	24.0	24.2	24.6	24.8	25.0
≥ 8000	11.5	14.8	16.6	21.8	23.6	24.1	25.8	27.1	27.4	28.1	28.3	28.4	28.5	29.0	29.2	29.4
≥ 7000	10.2	15.6	17.4	22.7	24.8	25.3	27.0	28.3	28.6	29.3	29.5	29.6	29.8	30.3	30.5	30.7
≥ 6000	12.4	15.7	17.6	22.8	24.9	25.5	27.2	28.5	28.8	29.5	29.7	29.8	29.9	30.5	30.7	30.9
≥ 5000	13.9	17.5	19.4	25.0	27.2	27.8	29.6	30.9	31.2	31.9	32.2	32.2	32.4	32.9	33.1	33.3
≥ 4500	15.2	19.0	21.0	26.9	29.1	29.8	31.6	32.9	33.2	33.9	34.1	34.2	34.3	34.9	35.1	35.3
≥ 4000	17.3	21.6	23.8	30.6	33.4	34.0	35.8	37.3	37.6	38.3	38.5	38.6	38.8	39.3	39.5	39.7
≥ 3500	20.0	24.6	26.9	34.3	37.6	38.5	40.5	42.0	42.3	43.1	43.4	43.4	43.6	44.2	44.4	44.6
≥ 3000	24.3	29.9	32.5	41.1	45.5	46.6	49.1	50.7	51.1	52.3	52.5	52.6	52.7	53.4	53.7	53.9
≥ 2500	26.5	32.8	35.7	44.9	49.8	51.3	53.8	55.5	56.0	57.2	57.4	57.5	57.6	58.4	58.6	58.8
≥ 2000	30.9	38.2	41.9	52.7	58.9	60.7	63.9	65.8	66.7	68.2	68.5	68.6	68.8	69.6	69.9	70.1
≥ 1800	31.6	39.2	43.1	54.3	60.5	62.3	65.7	67.7	68.7	70.2	70.6	70.7	71.0	71.8	72.0	72.2
≥ 1500	33.5	41.6	45.6	58.0	64.9	66.9	70.6	73.0	74.1	75.8	76.1	76.2	76.5	77.4	77.6	77.8
≥ 1200	35.5	44.2	48.4	61.7	69.3	71.5	75.9	78.5	79.9	81.8	82.3	82.4	82.8	83.8	84.1	84.3
≥ 1000	36.0	44.9	49.2	62.9	71.0	73.5	78.1	80.9	82.4	84.4	84.9	85.0	85.5	86.5	86.8	87.0
≥ 900	36.0	44.9	49.2	63.2	71.6	74.1	79.0	81.8	83.3	85.5	86.0	86.1	86.6	87.6	88.0	88.2
≥ 800	36.0	44.9	49.4	63.5	72.0	74.5	79.6	82.6	84.3	86.7	87.2	87.4	87.9	89.0	89.3	89.6
≥ 700	36.0	44.9	49.4	63.6	72.2	74.7	79.9	83.1	85.0	87.6	88.1	88.3	89.0	90.1	90.5	90.7
≥ 600	36.0	44.9	49.4	63.6	72.3	74.8	80.1	83.4	85.3	88.1	88.7	88.9	89.6	90.9	91.2	91.5
≥ 500	36.0	44.9	49.4	63.6	72.3	74.8	80.2	83.6	85.9	88.9	89.6	89.9	90.8	92.0	92.4	92.7
≥ 400	36.0	44.9	49.4	63.6	72.3	74.8	80.3	83.9	86.4	89.8	90.5	90.8	91.9	93.4	93.9	94.3
≥ 300	36.0	44.9	49.4	63.6	72.3	74.8	80.3	84.0	86.6	90.3	91.0	91.4	92.4	94.3	95.1	95.7
≥ 200	36.0	44.9	49.4	63.6	72.3	74.8	80.3	84.0	86.6	90.3	91.0	91.5	92.7	95.5	96.7	98.4
≥ 100	36.0	44.9	49.4	63.6	72.3	74.8	80.3	84.0	86.7	90.5	91.1	91.6	92.8	95.8	97.4	99.8
≥ 0	36.0	44.9	49.4	63.6	72.3	74.8	80.3	84.0	86.7	90.5	91.1	91.6	92.8	95.8	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2880

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

105335

FINTHEN AAF, DL

73, 75-79

FFD

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L)

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.7	≥.6	≥.5	≥.4	≥.3
NO CEILING	13.2	2.6	22.1	26.5	27.9	29.4	29.4	29.4	29.4	29.4	29.4	29.4	30.9	30.9	30.9	30.9
≥ 20000	14.7	22.1	23.5	27.9	29.4	30.9	30.9	32.4	32.4	32.4	32.4	32.4	33.8	33.8	33.8	33.8
≥ 18000	14.7	22.1	23.5	27.9	29.4	30.9	30.9	32.4	32.4	32.4	32.4	32.4	33.8	33.8	33.8	33.8
≥ 16000	14.7	22.1	23.5	27.9	29.4	30.9	30.9	32.4	32.4	32.4	32.4	32.4	33.8	33.8	33.8	33.8
≥ 14000	14.7	22.1	23.5	27.9	29.4	30.9	30.9	32.4	32.4	32.4	32.4	32.4	33.8	33.8	33.8	33.8
≥ 12000	14.7	22.1	23.5	27.9	29.4	30.9	30.9	32.4	32.4	32.4	32.4	32.4	33.8	33.8	33.8	33.8
≥ 10000	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 9000	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 8000	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 7000	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 6000	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 5000	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 4500	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 4000	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 3500	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 3000	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 2500	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 2000	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 1800	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 1500	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 1200	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 1000	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 900	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 800	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 700	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 600	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 500	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 400	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 300	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 200	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 100	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8
≥ 0	16.2	23.5	25.0	29.4	30.9	33.8	33.8	35.3	35.3	35.3	35.3	35.3	36.8	36.8	36.8	36.8

TOTAL NUMBER OF OBSERVATIONS 68

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10-335

FINTHEN AAF, OL

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS - LT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	8.4	13.9	17.1	22.3	24.1	25.1	26.5	26.7	27.3	28.1	28.3	28.3	29.1	29.1	29.1	29.5
≥ 20000	9.2	15.7	18.9	24.5	26.3	27.5	28.9	29.5	30.3	31.1	31.3	31.3	32.3	32.3	32.3	32.7
≥ 18000	9.2	15.7	18.9	24.5	26.3	27.5	28.9	29.5	30.3	31.1	31.3	31.3	32.3	32.3	32.3	32.7
≥ 16000	9.2	15.7	18.9	24.5	26.3	27.5	28.9	29.5	30.3	31.1	31.3	31.3	32.3	32.3	32.3	32.7
≥ 14000	9.2	15.7	18.9	24.5	26.3	27.5	28.9	29.5	30.3	31.1	31.3	31.3	32.3	32.3	32.3	32.7
≥ 12000	9.4	15.9	19.1	24.7	26.5	27.7	29.1	29.7	30.5	31.3	31.5	31.5	32.5	32.5	32.5	32.9
≥ 10000	9.8	16.3	19.5	25.3	27.1	28.5	29.9	30.5	31.3	32.1	32.3	32.3	33.3	33.3	33.3	33.7
≥ 9000	9.8	16.3	19.5	25.5	27.3	28.7	30.1	30.7	31.5	32.3	32.5	32.5	33.5	33.5	33.5	33.9
≥ 8000	11.2	17.7	20.9	27.5	29.3	30.7	32.1	32.7	33.5	34.3	34.5	34.5	35.5	35.5	35.5	35.9
≥ 7000	11.6	18.3	21.5	28.5	30.3	31.7	33.1	33.7	34.5	35.5	35.7	35.7	36.7	36.7	36.7	37.1
≥ 6000	11.6	18.5	21.7	28.7	30.9	32.5	33.9	34.5	35.3	36.3	36.5	36.5	37.5	37.5	37.6	38.2
≥ 5000	11.5	18.7	21.9	29.5	31.7	33.3	35.1	35.7	36.5	37.5	37.6	37.6	38.6	38.6	38.8	39.4
≥ 4500	12.4	19.7	22.9	30.5	32.9	34.5	36.3	36.9	37.6	38.8	39.0	39.0	40.0	40.6	40.6	41.2
≥ 4000	12.9	20.9	24.7	32.7	35.1	36.7	38.4	39.0	39.8	41.0	41.2	41.2	42.2	42.8	42.8	43.4
≥ 3500	15.1	24.9	29.7	36.7	39.4	41.0	42.8	43.4	44.2	45.4	45.6	45.6	46.6	47.2	47.2	47.8
≥ 3000	18.9	29.7	33.7	42.8	46.0	47.8	50.2	51.4	52.4	53.8	54.0	54.0	55.0	55.6	55.6	56.2
≥ 2500	19.7	32.1	36.3	45.6	49.2	51.6	54.4	56.0	57.0	58.4	58.5	58.6	59.6	60.2	60.2	60.8
≥ 2000	24.3	37.6	42.6	53.0	57.4	60.2	63.7	65.5	66.5	68.7	69.1	69.1	70.1	71.1	71.3	71.9
≥ 1800	24.3	38.2	43.4	54.0	58.4	61.2	64.7	66.5	67.5	69.7	70.1	70.1	71.1	72.5	72.7	73.3
≥ 1500	24.9	38.8	44.4	57.0	61.8	64.9	68.5	70.5	71.5	73.7	74.1	74.1	75.1	76.5	76.7	77.5
≥ 1200	25.3	39.2	45.2	58.2	64.5	67.9	72.1	74.1	75.1	77.3	77.7	77.7	78.7	80.5	80.9	81.7
≥ 1000	25.3	39.2	45.4	58.8	65.3	68.7	72.9	75.1	76.3	78.9	79.3	79.7	80.7	82.5	82.9	83.7
≥ 900	25.3	39.2	45.8	59.2	65.9	69.5	74.3	76.5	77.7	80.3	80.7	81.1	82.1	83.9	84.3	85.1
≥ 800	25.3	39.2	45.8	59.2	66.3	70.1	75.1	77.5	78.7	81.3	81.7	82.1	83.3	85.3	85.7	86.5
≥ 700	25.3	39.2	45.8	59.4	66.5	70.3	75.3	77.9	79.1	81.7	82.1	82.5	83.7	85.7	86.1	86.9
≥ 600	25.3	39.2	45.8	59.4	66.5	70.3	76.1	78.7	79.9	82.7	83.1	83.5	84.7	86.9	87.3	88.0
≥ 500	25.3	39.2	45.8	59.6	66.7	70.5	76.3	78.9	80.3	83.3	83.7	84.1	85.3	87.6	88.2	89.2
≥ 400	25.3	39.2	45.8	59.6	66.7	70.5	76.3	79.1	80.5	84.1	84.5	84.9	86.3	89.8	90.2	91.2
≥ 300	25.3	39.2	45.8	59.6	66.7	70.5	76.3	79.1	80.7	84.7	85.1	85.7	87.3	91.0	91.4	92.6
≥ 200	25.3	39.2	45.8	59.6	66.7	70.5	76.3	79.1	80.7	84.9	85.3	85.9	87.5	91.8	92.2	94.2
≥ 100	25.3	39.2	45.8	59.6	66.7	70.5	76.3	79.1	80.7	84.9	85.3	85.9	87.6	92.8	94.2	95.0
≥ 0	25.3	39.2	45.8	59.6	66.7	70.5	76.3	79.1	80.7	84.9	85.3	85.9	87.6	92.8	94.2	95.0

TOTAL NUMBER OF OBSERVATIONS 502

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEAR

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

C922-1100  
FORM 1-5

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	5.1	11.1	12.5	17.5	21.8	21.6	23.5	24.1	25.3	26.1	26.3	26.7	26.7	27.2	27.4	27.6
≥ 20000	6.3	13.6	15.0	20.4	23.9	24.9	26.8	27.4	28.6	29.6	29.8	30.2	30.2	30.7	30.9	31.3
≥ 18000	6.3	13.6	15.0	20.4	23.9	24.9	26.8	27.4	28.6	29.6	29.8	30.2	30.2	30.7	30.9	31.3
≥ 16000	6.3	13.6	15.0	20.4	23.9	24.9	26.8	27.4	28.6	29.6	29.8	30.2	30.2	30.7	30.9	31.3
≥ 14000	6.3	13.6	15.0	20.6	24.1	25.1	27.0	27.6	28.8	29.8	30.0	30.4	30.4	30.9	31.1	31.5
≥ 12000	6.3	13.6	15.0	20.6	24.1	25.1	27.0	27.6	28.8	29.8	30.0	30.4	30.4	30.9	31.1	31.5
≥ 10000	7.4	14.4	16.1	22.2	25.9	26.8	29.0	29.6	30.7	31.7	31.9	32.3	32.5	33.1	33.3	33.7
≥ 9000	7.6	14.6	16.1	22.4	26.1	27.0	29.2	29.8	30.9	31.9	32.1	32.5	32.7	33.3	33.5	33.9
≥ 8000	8.2	15.4	17.7	24.5	28.6	29.6	32.1	32.7	33.9	34.8	35.0	35.4	35.6	36.2	36.4	36.8
≥ 7000	8.2	16.0	18.5	25.7	29.8	30.9	33.3	33.9	35.4	36.4	36.6	37.0	37.2	37.7	37.9	38.3
≥ 6000	9.3	16.0	18.5	25.7	30.0	31.5	34.0	34.6	36.2	37.2	37.4	37.7	37.9	38.5	38.7	39.1
≥ 5000	8.4	16.1	18.7	26.1	30.4	31.9	35.0	35.6	37.2	38.1	38.3	38.7	38.9	39.5	39.7	40.1
≥ 4500	9.3	17.7	20.2	27.6	32.1	33.7	36.8	37.4	38.9	40.1	40.3	40.7	40.9	41.6	41.8	42.2
≥ 4000	10.7	19.8	23.5	31.7	36.2	37.7	40.9	41.4	43.0	44.2	44.4	44.7	44.9	45.7	45.9	46.3
≥ 3500	11.4	21.8	25.5	33.9	38.5	40.1	43.2	43.8	45.3	46.5	46.7	47.1	47.3	48.1	48.2	48.8
≥ 3000	16.3	27.4	31.5	40.9	46.1	48.1	51.6	52.3	54.1	56.0	56.2	56.8	57.0	58.0	58.2	58.8
≥ 2500	16.5	28.6	32.9	43.0	48.6	50.8	54.9	55.6	57.4	59.9	60.1	60.7	61.1	62.1	62.3	62.8
≥ 2000	20.4	33.5	38.3	50.0	56.6	59.1	64.2	65.4	67.3	70.0	70.2	70.8	71.4	72.6	72.8	73.3
≥ 1800	20.4	33.9	39.1	51.2	57.8	60.3	65.4	66.5	68.5	71.2	71.4	72.0	72.6	73.7	73.9	74.5
≥ 1500	21.0	34.8	40.3	54.3	62.1	64.6	70.2	71.4	73.3	76.1	76.3	76.8	77.4	78.6	78.8	79.4
≥ 1200	21.2	35.2	41.1	55.8	64.2	67.1	73.2	74.3	76.3	79.0	79.2	79.8	80.4	81.7	81.9	82.9
≥ 1000	21.4	35.6	41.4	56.6	65.6	69.3	75.7	77.2	79.2	82.3	82.5	83.1	83.7	85.0	85.2	86.2
≥ 900	21.4	35.6	41.4	56.6	66.1	69.8	76.7	78.6	80.7	84.0	84.2	84.8	85.4	86.8	87.0	87.9
≥ 800	21.4	35.6	41.4	56.6	66.1	69.8	76.8	79.2	81.3	84.6	84.8	85.4	86.0	87.4	87.5	88.5
≥ 700	21.4	35.6	41.4	56.6	66.1	69.8	77.0	79.4	81.5	84.8	85.0	85.8	86.8	88.3	88.5	89.5
≥ 600	21.4	35.6	41.4	56.6	66.5	70.2	77.4	80.0	82.1	85.4	85.6	86.4	87.4	88.9	89.1	90.1
≥ 500	21.4	35.6	41.4	56.6	66.5	70.2	77.4	80.0	82.1	85.6	85.8	86.8	87.9	89.7	90.1	91.2
≥ 400	21.4	35.6	41.4	56.6	66.5	70.2	77.6	80.2	82.3	86.0	86.4	87.4	88.5	90.7	91.1	92.2
≥ 300	21.4	35.6	41.4	56.6	66.5	70.2	77.6	80.2	82.7	86.6	87.0	87.9	89.7	93.2	93.6	96.9
≥ 200	21.4	35.6	41.4	56.6	66.5	70.2	77.6	80.2	82.7	86.6	87.0	87.9	89.9	93.6	94.0	99.2
≥ 100	21.4	35.6	41.4	56.6	66.5	70.2	77.6	80.2	82.7	86.6	87.0	87.9	89.9	93.6	94.0	99.2
≥ 0	21.4	35.6	41.4	56.6	66.5	70.2	77.6	80.2	82.7	86.6	87.0	87.9	89.9	93.6	94.0	100.0

TOTAL NUMBER OF OBSERVATIONS 514



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

11335 FINTHEN AAF, DL

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	7.3	12.5	14.5	20.5	24.0	24.2	24.8	26.0	27.1	27.9	28.3	28.3	28.7	28.7	28.7	28.7
≥ 20000	5.8	15.4	17.4	24.0	27.5	27.9	28.7	29.9	31.1	31.6	32.2	32.2	32.8	32.8	32.8	33.0
≥ 18000	8.8	15.4	17.4	24.0	27.5	27.9	28.7	29.9	31.1	31.8	32.2	32.2	32.8	32.8	32.8	33.0
≥ 16000	8.8	15.4	17.4	24.0	27.5	27.9	28.7	29.9	31.1	31.8	32.2	32.2	32.8	32.8	32.8	33.0
≥ 14000	9.2	15.8	17.8	24.4	27.9	28.3	29.1	30.3	31.4	32.2	32.6	32.6	33.2	33.2	33.2	33.4
≥ 12000	9.4	16.4	18.4	25.0	28.5	28.9	29.7	30.9	32.0	32.8	33.2	33.2	33.8	33.8	33.8	34.0
≥ 10000	10.2	17.4	19.9	27.3	31.3	31.6	32.8	34.0	35.2	35.9	36.3	36.3	36.9	36.9	36.9	37.1
≥ 9000	10.2	17.4	19.9	27.3	31.3	31.6	32.8	34.0	35.2	35.9	36.3	36.3	36.9	36.9	36.9	37.1
≥ 8000	11.3	18.9	21.9	29.5	33.8	34.2	35.4	36.7	37.9	38.7	39.1	39.1	39.8	39.8	39.8	40.0
≥ 7000	11.9	19.5	22.5	30.5	34.8	35.4	36.9	38.3	39.8	40.6	41.0	41.0	41.8	41.8	41.8	42.0
≥ 6000	11.9	19.5	22.5	30.9	35.4	35.9	37.5	39.1	40.6	41.4	41.8	41.8	42.6	42.6	42.6	42.8
≥ 5000	12.5	20.7	23.6	32.4	37.1	37.7	39.3	40.8	42.4	43.6	43.9	43.9	44.7	44.7	44.7	44.9
≥ 4500	12.5	21.1	24.0	32.8	37.5	38.1	39.8	41.6	43.2	44.3	44.7	44.7	45.5	45.5	45.5	45.7
≥ 4000	14.8	23.8	27.1	37.7	43.0	43.6	45.5	47.3	48.8	50.0	50.4	50.4	51.2	51.2	51.2	51.4
≥ 3500	16.2	27.3	30.5	41.8	47.1	47.7	49.6	51.4	52.9	54.1	54.5	54.5	55.3	55.3	55.3	55.5
≥ 3000	20.9	32.2	36.5	49.0	55.1	56.1	59.4	61.1	62.7	64.3	64.6	64.6	65.4	65.6	65.6	65.8
≥ 2500	21.9	33.4	37.7	51.4	57.8	58.8	62.1	64.8	66.4	68.2	68.6	68.6	69.5	69.7	69.7	69.9
≥ 2000	25.6	37.9	42.4	57.0	63.9	65.0	68.4	71.1	72.9	74.6	75.4	75.4	76.8	77.1	77.1	77.3
≥ 1800	25.6	38.7	43.4	58.6	65.4	66.6	70.1	72.9	74.6	76.4	77.1	77.1	78.5	78.9	78.9	79.1
≥ 1500	26.4	39.8	44.5	61.7	69.9	71.3	74.8	77.7	79.5	81.6	82.4	82.4	83.8	84.2	84.2	84.4
≥ 1200	27.3	41.0	45.9	63.7	72.9	74.6	79.1	82.0	83.8	86.1	87.1	87.1	88.5	88.9	88.9	89.1
≥ 1000	27.5	41.2	46.5	64.5	75.4	77.3	82.0	85.4	87.1	89.8	90.8	90.8	92.2	92.6	92.6	92.8
≥ 900	27.5	41.2	46.5	64.5	75.4	77.3	82.2	85.5	87.3	90.2	91.2	91.2	92.6	93.0	93.0	93.2
≥ 800	27.5	41.2	46.5	64.5	75.4	77.3	82.2	86.1	87.9	90.8	91.8	91.8	93.2	93.6	93.6	93.8
≥ 700	27.5	41.2	46.5	64.5	75.4	77.3	82.2	86.1	88.1	91.0	92.0	92.0	93.4	93.8	93.8	93.9
≥ 600	27.5	41.2	46.5	64.5	75.4	77.3	82.2	86.3	88.5	91.6	92.6	92.6	93.9	94.3	94.3	94.5
≥ 500	27.5	41.2	46.5	64.5	75.4	77.3	82.2	86.3	88.5	92.2	93.2	93.2	94.5	95.1	95.1	95.3
≥ 400	27.5	41.2	46.5	64.5	75.4	77.3	82.2	86.3	88.7	92.8	93.8	93.9	95.3	96.3	96.3	96.5
≥ 300	27.5	41.2	46.5	64.5	75.4	77.3	82.2	86.3	88.7	92.8	93.8	93.9	95.5	96.9	97.7	98.2
≥ 200	27.5	41.2	46.5	64.5	75.4	77.3	82.2	86.3	88.7	92.8	93.8	93.9	95.7	97.1	97.9	98.8
≥ 100	27.5	41.2	46.5	64.5	75.4	77.3	82.2	86.3	88.7	92.8	93.8	93.9	95.7	97.1	97.9	100.0
≥ 0	27.5	41.2	46.5	64.5	75.4	77.3	82.2	86.3	88.7	92.8	93.8	93.9	95.7	97.1	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 512

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	10.3	17.7	18.0	23.5	26.4	27.2	28.9	28.9	29.3	29.5	29.7	29.9	30.1	30.1	30.1	30.1
≥ 20000	13.2	20.8	21.7	27.2	30.1	30.9	33.2	33.2	34.0	34.2	34.4	34.6	34.8	34.8	34.8	34.8
≥ 18000	13.2	21.0	21.9	27.6	30.5	31.3	33.6	33.6	34.4	34.6	34.8	35.0	35.1	35.1	35.1	35.1
≥ 16000	13.2	21.0	21.9	27.6	30.5	31.3	33.6	33.6	34.4	34.6	34.8	35.0	35.1	35.1	35.1	35.1
≥ 14000	13.2	21.2	22.1	27.8	30.7	31.5	33.8	33.8	34.6	34.8	35.0	35.1	35.3	35.3	35.3	35.3
≥ 12000	14.6	23.1	24.1	29.9	32.8	33.6	35.9	35.9	36.7	36.9	37.1	37.3	37.5	37.5	37.5	37.5
≥ 10000	16.5	25.2	26.4	33.2	36.7	37.5	40.2	40.4	41.2	41.4	41.6	41.7	41.9	41.9	41.9	41.9
≥ 9000	16.9	25.6	26.8	33.8	37.3	38.6	41.4	41.6	42.3	42.5	42.7	42.9	43.1	43.1	43.1	43.1
≥ 8000	18.6	28.0	29.5	37.5	41.2	42.7	45.8	46.0	47.0	47.2	47.4	47.6	47.8	47.8	47.8	47.8
≥ 7000	19.9	29.1	30.7	38.8	42.5	44.1	47.2	47.4	48.3	48.5	48.7	48.9	49.1	49.1	49.1	49.1
≥ 6000	19.8	29.1	30.7	38.8	42.5	44.1	47.2	47.4	48.3	48.5	48.7	48.9	49.1	49.1	49.1	49.1
≥ 5000	20.7	29.3	30.9	39.4	43.3	44.9	48.0	48.2	49.1	49.3	49.5	49.7	49.9	49.9	49.9	49.9
≥ 4500	20.4	30.1	31.7	40.2	44.1	45.6	48.7	48.9	49.9	50.1	50.3	50.5	50.7	50.7	50.7	50.7
≥ 4000	22.7	32.6	35.3	44.1	48.3	49.9	53.0	53.2	54.2	54.4	54.6	54.8	55.0	55.1	55.1	55.1
≥ 3500	24.9	35.7	38.4	47.6	52.0	53.8	57.1	57.3	58.3	58.4	58.6	58.8	59.0	59.2	59.2	59.2
≥ 3000	29.7	41.2	45.0	55.9	61.0	62.7	66.0	66.2	67.4	67.8	68.3	68.5	68.7	68.9	68.9	68.9
≥ 2500	31.1	43.7	47.6	59.4	65.0	67.0	70.3	71.1	72.2	73.2	73.8	74.0	74.2	74.4	74.4	74.4
≥ 2000	33.4	46.2	52.4	65.6	72.8	74.8	78.4	79.4	81.4	82.3	82.9	83.1	83.5	83.7	83.7	83.7
≥ 1800	33.4	46.3	53.2	67.2	74.6	76.5	80.2	81.2	83.1	84.1	84.7	84.9	85.2	85.4	85.4	85.4
≥ 1500	33.8	48.9	53.8	69.3	77.3	80.0	84.3	85.2	87.4	88.3	88.9	89.1	89.5	89.7	89.7	89.7
≥ 1200	33.3	49.3	54.2	70.1	79.2	82.1	87.0	88.2	90.5	91.8	92.4	92.6	93.0	93.2	93.2	93.2
≥ 1000	33.4	49.3	54.4	70.7	80.0	83.1	88.3	89.5	92.0	93.6	94.2	94.4	94.8	95.0	95.0	95.0
≥ 900	33.8	49.3	54.4	70.7	80.0	83.1	88.5	89.7	92.2	93.8	94.4	94.6	95.0	95.1	95.1	95.1
≥ 800	33.8	49.3	54.4	70.7	80.0	83.1	88.5	89.7	92.6	94.4	95.0	95.1	95.5	95.7	95.7	95.7
≥ 700	33.8	49.3	54.4	70.7	80.0	83.3	88.7	89.9	92.8	94.6	95.1	95.3	95.7	95.9	95.9	95.9
≥ 600	33.8	49.3	54.4	70.7	80.0	83.3	88.7	89.9	92.8	94.6	95.1	95.3	95.7	95.9	95.9	95.9
≥ 500	33.8	49.3	54.4	70.7	80.0	83.3	88.7	89.9	92.8	94.6	95.1	95.3	95.7	95.9	95.9	95.9
≥ 400	33.8	49.3	54.4	70.7	80.0	83.3	88.7	89.9	92.8	94.6	95.1	95.3	95.9	96.7	96.7	96.7
≥ 300	33.8	49.3	54.4	70.7	80.0	83.3	88.7	89.9	92.8	95.0	95.5	95.7	96.3	97.7	97.7	97.7
≥ 200	33.8	49.3	54.4	70.7	80.0	83.3	88.9	90.1	93.0	95.1	95.7	95.9	96.7	98.6	99.2	99.2
≥ 100	33.8	49.3	54.4	70.7	80.0	83.3	88.9	90.1	93.0	95.1	95.7	95.9	96.7	98.6	99.2	100.0
≥ 0	33.8	49.3	54.4	70.7	80.0	83.3	88.9	90.1	93.0	95.1	95.7	95.9	96.7	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 515

GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10335  
STATION

FINTHEN AAF,OL

73-81

PER

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-2000  
MONTH

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	12.9	19.9	20.1	25.4	26.5	27.4	27.1	30.2	30.2	30.2	30.4	30.4	30.4	30.6	30.9	30.9
≥ 20000	15.1	23.0	23.9	29.5	30.9	31.7	33.5	34.6	34.6	34.6	34.8	34.8	35.0	35.2	35.2	35.2
≥ 18000	15.1	23.0	24.1	30.2	31.5	32.4	34.1	35.2	35.2	35.2	35.4	35.4	35.7	35.9	35.9	35.9
≥ 16000	15.1	23.0	24.1	30.2	31.5	32.4	34.1	35.2	35.2	35.2	35.4	35.4	35.7	35.9	35.9	35.9
≥ 14000	15.1	23.2	24.3	31.4	31.7	32.6	34.4	35.4	35.4	35.4	35.7	35.7	35.9	36.1	36.1	36.1
≥ 12000	15.1	23.4	24.5	31.1	32.4	33.3	35.0	36.1	36.1	36.1	36.3	36.3	36.5	36.8	36.8	36.8
≥ 10000	16.4	25.4	26.7	33.5	35.7	36.5	38.3	39.4	39.4	39.4	39.6	39.6	39.8	40.0	40.0	40.0
≥ 9000	16.6	25.8	27.4	34.1	36.8	37.9	39.8	40.9	40.9	40.9	41.1	41.1	41.4	41.6	41.6	41.6
≥ 8000	19.0	29.5	31.1	38.7	41.6	42.7	44.6	46.0	46.0	46.0	46.8	47.0	47.0	47.5	47.7	47.7
≥ 7000	20.0	31.1	32.0	40.7	44.2	45.3	47.3	48.6	48.6	48.6	49.5	49.7	49.7	50.1	50.3	50.3
≥ 6000	20.6	31.1	32.6	40.7	44.2	45.3	47.3	48.6	48.6	48.6	49.5	49.7	49.7	50.1	50.3	50.3
≥ 5000	21.2	31.9	33.5	41.8	45.3	46.4	48.4	49.7	49.7	49.7	50.5	50.8	50.8	51.2	51.4	51.4
≥ 4500	21.4	32.4	33.9	42.5	46.2	47.3	49.2	50.5	50.5	50.5	51.4	51.6	51.6	52.1	52.3	52.3
≥ 4000	24.5	35.7	37.2	46.4	50.5	51.6	53.6	54.9	54.9	54.9	55.8	56.0	56.0	56.5	56.7	56.7
≥ 3500	25.7	38.5	40.3	49.7	54.3	55.4	57.3	58.6	58.6	58.6	59.5	59.7	59.7	60.2	60.4	60.4
≥ 3000	26.0	43.6	46.0	57.5	62.4	63.5	65.6	67.2	67.2	67.2	68.9	69.6	69.8	70.2	70.5	70.5
≥ 2500	30.2	45.1	47.7	60.6	66.7	67.8	70.0	72.0	72.2	72.2	74.4	75.1	75.3	75.7	75.9	75.9
≥ 2000	31.3	47.9	51.2	65.4	72.6	74.0	76.4	78.6	79.0	79.0	81.6	82.3	82.5	82.9	83.2	83.2
≥ 1800	31.3	48.1	52.1	66.3	74.4	75.7	78.1	80.3	80.7	80.7	83.6	84.2	84.5	84.9	85.1	85.1
≥ 1500	31.9	49.9	53.8	69.1	77.7	79.4	82.1	84.2	84.7	84.7	87.5	88.2	88.4	88.8	89.1	89.1
≥ 1200	32.2	50.3	54.7	70.9	80.1	81.6	84.9	87.1	88.4	88.4	91.2	91.9	92.1	92.6	92.8	92.8
≥ 1000	32.2	50.5	54.9	71.3	80.5	82.9	86.4	88.8	90.4	90.4	93.2	93.9	94.1	94.5	94.7	94.7
≥ 900	32.2	50.5	54.9	71.3	80.5	82.9	86.4	88.8	90.4	90.4	93.2	93.9	94.1	94.5	94.7	94.7
≥ 800	32.2	50.5	55.1	71.6	80.7	83.2	87.1	89.5	91.2	91.2	94.1	94.7	95.0	95.4	95.6	95.6
≥ 700	32.2	50.5	55.1	71.6	80.7	83.2	87.3	89.9	91.9	91.9	94.7	95.4	95.6	96.1	96.3	96.3
≥ 600	32.2	50.5	55.1	71.6	80.7	83.2	87.3	89.9	91.9	91.9	94.7	95.6	95.8	96.3	96.5	96.5
≥ 500	32.2	50.5	55.1	71.8	81.0	83.4	87.5	90.2	92.1	92.1	95.2	96.3	96.5	97.2	97.4	97.4
≥ 400	32.2	50.5	55.1	71.8	81.0	83.4	87.5	90.2	92.1	92.1	95.2	96.3	96.5	97.2	98.5	98.7
≥ 300	32.2	50.5	55.1	71.8	81.0	83.4	87.5	90.2	92.1	92.1	95.4	96.5	96.7	97.4	98.7	98.9
≥ 200	32.2	50.5	55.1	71.8	81.0	83.4	87.5	90.2	92.1	92.1	95.4	96.5	96.7	97.4	98.7	99.1
≥ 100	32.2	50.5	55.1	71.8	81.0	83.4	87.5	90.2	92.1	92.1	95.4	96.5	96.7	97.4	98.7	99.1
≥ 0	32.2	50.5	55.1	71.8	81.0	83.4	87.5	90.2	92.1	92.1	95.4	96.5	96.7	97.4	98.7	99.1

TOTAL NUMBER OF OBSERVATIONS 457

GLOBAL CLIMATOLOGY BRANCH  
SAFETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10-335 FINTHEN AAF, DL

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	5.9	15.1	16.6	21.9	24.4	25.2	26.6	27.2	27.9	28.3	28.6	28.7	29.0	29.2	29.2	29.4
≥ 20000	10.4	17.7	19.4	25.1	27.7	28.6	30.2	30.9	31.7	32.2	32.4	32.6	33.0	33.1	33.2	33.4
≥ 18000	10.4	17.4	19.5	25.3	27.9	28.8	30.4	31.1	31.9	32.4	32.6	32.7	33.2	33.3	33.4	33.6
≥ 16000	10.6	17.8	19.5	25.3	27.9	28.8	30.4	31.1	31.9	32.4	32.6	32.7	33.2	33.3	33.4	33.6
≥ 14000	10.7	17.9	19.6	25.5	28.1	29.0	30.6	31.3	32.0	32.6	32.8	32.9	33.4	33.5	33.6	33.8
≥ 12000	11.1	18.5	20.2	26.2	28.8	29.7	31.3	32.0	32.7	33.3	33.5	33.6	34.1	34.2	34.3	34.5
≥ 10000	12.1	19.7	21.7	28.2	31.2	32.2	34.0	34.7	35.5	36.0	36.3	36.4	36.8	37.0	37.0	37.2
≥ 9000	12.2	19.9	21.9	28.5	31.6	32.7	34.5	35.3	36.1	36.6	36.8	37.0	37.4	37.6	37.6	37.8
≥ 8000	13.6	21.8	24.1	31.3	34.7	35.8	37.8	38.6	39.4	40.1	40.3	40.5	41.0	41.2	41.2	41.4
≥ 7000	14.3	22.7	25.1	32.6	36.0	37.2	39.3	40.1	41.0	41.8	42.0	42.1	42.7	42.8	42.9	43.1
≥ 6000	14.3	22.7	25.1	32.7	36.3	37.7	39.7	40.6	41.5	42.3	42.5	42.6	43.2	43.4	43.4	43.7
≥ 5000	14.7	23.2	25.5	33.6	37.3	38.6	40.8	41.7	42.7	43.5	43.8	43.9	44.4	44.6	44.7	44.9
≥ 4500	15.1	24.0	26.4	34.4	38.2	39.6	41.9	42.8	43.7	44.7	44.9	45.0	45.6	45.9	45.9	46.1
≥ 4000	17.1	26.4	29.4	38.2	42.3	43.6	46.0	46.8	47.8	48.8	49.0	49.1	49.6	50.0	50.0	50.3
≥ 3500	18.3	29.5	32.6	41.7	46.0	47.4	49.8	50.7	51.6	52.6	52.8	52.9	53.5	53.8	53.9	54.1
≥ 3000	23.1	34.7	38.4	48.9	53.7	55.3	58.2	59.3	60.4	61.3	62.1	62.3	62.9	63.3	63.4	63.6
≥ 2500	23.3	36.5	40.3	51.7	57.1	58.8	61.9	63.5	64.6	66.4	66.7	66.9	67.6	68.0	68.0	68.3
≥ 2000	27.1	41.1	45.4	58.0	64.4	66.4	69.9	71.7	73.1	75.1	75.6	75.8	76.6	77.2	77.3	77.6
≥ 1800	27.1	41.5	46.3	59.3	65.8	67.8	71.4	73.2	74.6	76.6	77.1	77.3	78.1	78.8	79.9	79.2
≥ 1600	27.8	42.5	47.4	62.1	69.5	71.8	75.7	77.5	79.0	81.1	81.6	81.8	82.6	83.3	83.4	83.7
≥ 1400	28.1	43.1	48.2	63.6	71.9	74.5	79.7	80.9	82.5	84.8	85.3	85.5	86.3	87.1	87.2	87.6
≥ 1200	28.2	43.2	48.5	64.2	73.1	76.1	80.8	83.0	84.7	87.3	87.8	88.1	88.9	89.7	89.8	90.2
≥ 1000	23.2	43.2	48.6	64.3	73.3	76.4	81.4	83.6	85.4	88.0	88.6	88.8	89.6	90.4	90.6	91.0
≥ 900	28.2	43.2	48.6	64.3	73.4	76.5	81.7	84.2	86.1	88.7	89.3	89.5	90.3	91.2	91.4	91.7
≥ 800	28.2	43.2	48.6	64.4	73.5	76.6	81.9	84.5	86.4	89.1	89.6	90.0	90.9	91.8	91.9	92.3
≥ 700	28.2	43.2	48.6	64.4	73.6	76.7	82.2	84.8	86.5	89.6	90.1	90.5	91.4	92.3	92.5	92.9
≥ 600	28.2	43.2	48.6	64.5	73.6	76.8	82.3	84.9	87.1	90.0	90.6	90.9	91.9	93.0	93.2	93.7
≥ 500	28.2	43.2	48.6	64.5	73.6	76.8	82.3	85.0	87.1	90.3	91.0	91.4	92.5	94.2	94.5	95.0
≥ 400	28.2	43.2	48.6	64.5	73.6	76.8	82.3	85.0	87.1	90.3	91.0	91.4	92.5	94.2	94.5	95.0
≥ 300	28.2	43.2	48.6	64.5	73.6	76.8	82.3	85.0	87.1	90.3	91.0	91.4	92.5	94.2	94.5	95.0
≥ 200	28.2	43.2	48.6	64.5	73.6	76.8	82.4	85.0	87.3	90.8	91.5	91.9	93.3	95.8	96.4	97.7
≥ 100	28.2	43.2	48.6	64.5	73.6	76.8	82.4	85.0	87.3	90.8	91.5	91.9	93.4	96.1	96.8	99.8
≥ 50	28.2	43.2	48.6	64.5	73.6	76.8	82.4	85.0	87.3	90.8	91.5	91.9	93.4	96.1	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2568

GENERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10633  
STATION

FINTHEN AFB, DL  
STATION NAME

73, 75-77, 81  
YEARS

MAC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	22.4	31.6	31.6	38.2	38.2	38.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	40.8
≥ 2000	22.4	31.6	32.9	40.8	40.8	40.8	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	43.4
≥ 1800	22.4	31.6	32.9	40.8	40.8	40.8	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	43.4
≥ 1600	22.4	31.6	32.9	40.8	40.8	40.8	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	43.4
≥ 1400	22.4	31.6	32.9	40.8	40.8	40.8	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	43.4
≥ 1200	22.4	31.6	32.9	40.8	40.8	40.8	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	43.4
≥ 1000	22.4	31.6	32.9	42.1	42.1	42.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	44.7
≥ 900	22.4	31.6	32.9	42.1	42.1	42.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	44.7
≥ 800	25.0	35.5	36.8	46.1	46.1	46.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	48.7
≥ 700	25.0	35.5	36.8	46.1	46.1	46.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	48.7
≥ 600	27.6	38.2	39.5	48.7	48.7	48.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	51.3
≥ 500	30.3	42.1	43.4	53.9	55.3	55.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.9
≥ 450	31.6	43.4	44.7	56.6	57.9	57.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	60.5
≥ 400	31.6	46.1	47.4	59.2	60.5	60.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	63.2
≥ 350	32.9	50.0	53.9	65.8	68.4	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	71.1
≥ 300	34.2	51.3	55.3	68.4	71.1	71.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	73.7
≥ 250	35.5	55.3	59.2	73.7	77.6	77.6	78.9	78.9	80.3	80.3	80.3	80.3	80.3	80.3	81.6	82.9
≥ 200	36.8	56.6	60.5	76.3	80.3	80.3	81.6	81.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	84.2
≥ 150	38.2	57.9	61.8	77.6	82.9	82.9	84.2	84.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	86.8
≥ 100	39.5	59.2	63.2	80.3	85.5	85.5	86.8	86.8	88.2	88.2	88.2	88.2	88.2	88.2	89.5	90.8
≥ 90	39.5	60.5	64.5	84.2	89.5	89.5	90.8	90.8	92.1	92.1	92.1	92.1	92.1	92.1	93.4	94.7
≥ 80	39.5	60.5	64.5	84.2	89.5	89.5	90.8	90.8	92.1	92.1	92.1	92.1	92.1	92.1	93.4	94.7
≥ 70	39.5	60.5	64.5	84.2	89.5	89.5	90.8	90.8	92.1	92.1	92.1	92.1	92.1	92.1	93.4	94.7
≥ 60	39.5	60.5	64.5	84.2	89.5	89.5	90.8	90.8	92.1	92.1	92.1	92.1	92.1	92.1	93.4	94.7
≥ 50	39.5	60.5	64.5	84.2	89.5	89.5	90.8	92.1	93.4	93.4	93.4	93.4	93.4	93.4	94.7	96.1
≥ 40	39.5	60.5	64.5	84.2	89.5	89.5	90.8	92.1	93.4	93.4	93.4	93.4	93.4	93.4	94.7	96.1
≥ 30	39.5	60.5	64.5	84.2	89.5	89.5	90.8	92.1	93.4	93.4	93.4	93.4	93.4	93.4	94.7	96.1
≥ 20	39.5	60.5	64.5	84.2	89.5	89.5	90.8	92.1	93.4	93.4	93.4	93.4	93.4	93.4	94.7	96.1
≥ 10	39.5	60.5	64.5	84.2	89.5	89.5	90.8	92.1	93.4	93.4	93.4	93.4	93.4	93.4	94.7	96.1

TOTAL NUMBER OF OBSERVATIONS 76

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

17335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-61  
YEARS

MAC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

630-2800  
NOTES

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	12.5	18.1	19.5	22.5	24.6	25.8	27.2	27.5	27.0	27.9	28.1	28.2	28.4	28.6	28.6	28.6
≥ 20000	13.7	20.5	22.1	26.1	29.1	30.5	32.5	32.6	33.2	33.2	33.3	33.5	33.7	33.7	33.9	33.9
≥ 18000	13.7	20.5	22.1	26.1	29.1	30.7	32.6	33.0	33.3	33.3	33.5	33.7	33.9	33.9	34.0	34.0
≥ 16000	13.7	20.5	22.1	26.1	29.1	30.7	32.6	33.0	33.3	33.3	33.5	33.7	33.9	33.9	34.0	34.0
≥ 14000	13.7	20.5	22.1	26.1	29.1	30.7	32.6	33.0	33.3	33.3	33.5	33.7	33.9	33.9	34.0	34.0
≥ 12000	13.7	20.7	22.3	26.7	29.8	31.2	33.3	33.7	34.0	34.0	34.2	34.4	34.6	34.6	34.7	34.7
≥ 10000	14.0	21.6	23.2	27.7	31.1	32.5	35.3	35.6	36.0	36.0	36.1	36.3	36.5	36.5	36.7	36.7
≥ 9000	14.2	21.9	23.5	28.1	31.8	33.2	36.0	36.3	36.7	36.7	36.9	37.0	37.2	37.2	37.4	37.4
≥ 8000	16.3	25.8	27.7	32.6	36.3	37.9	41.1	41.4	41.9	41.8	41.9	42.1	42.3	42.3	42.5	42.5
≥ 7000	17.4	27.0	28.9	34.4	38.0	40.0	43.3	43.9	44.2	44.2	44.4	44.6	44.7	44.7	44.9	44.9
≥ 6000	18.2	27.9	29.9	35.3	39.3	40.9	44.2	44.7	45.1	45.1	45.3	45.4	45.6	45.6	45.9	45.9
≥ 5000	18.2	28.8	30.7	36.8	41.4	43.0	46.3	46.8	47.4	47.4	47.7	48.2	48.4	48.4	48.6	48.6
≥ 4500	18.9	30.0	31.9	38.6	43.3	44.9	48.2	48.8	49.7	49.5	49.8	50.4	50.5	50.5	50.7	50.7
≥ 4000	21.2	33.9	35.8	42.8	47.9	49.6	53.0	53.5	54.0	54.6	54.9	55.4	55.6	55.6	55.9	55.9
≥ 3500	23.0	38.2	41.1	48.6	54.0	55.6	59.5	60.0	60.5	61.1	61.4	61.9	62.1	62.1	62.3	62.3
≥ 3000	26.7	42.6	45.9	55.8	61.6	63.3	68.4	69.3	69.8	70.4	70.7	71.2	71.4	71.4	71.6	71.6
≥ 2500	27.5	44.9	48.4	59.3	65.6	67.4	72.5	73.5	74.2	74.9	75.3	75.8	76.0	76.0	76.3	76.3
≥ 2000	31.1	50.0	53.5	65.4	72.1	73.9	79.3	81.1	81.9	82.6	83.0	83.5	83.7	84.0	84.0	84.0
≥ 1800	31.6	50.5	54.2	66.7	73.3	75.3	80.7	82.5	83.3	84.0	84.4	84.9	85.1	85.1	85.4	85.4
≥ 1500	32.5	51.9	56.3	70.2	77.4	79.3	84.7	86.7	87.7	88.6	88.9	89.5	89.6	89.6	90.0	90.0
≥ 1200	32.8	52.6	57.0	71.4	78.8	80.9	86.8	88.8	89.8	90.7	91.1	91.6	91.8	91.8	92.1	92.1
≥ 1000	33.1	52.8	57.2	71.8	79.3	81.6	87.5	89.5	90.5	91.4	91.9	92.6	92.8	92.8	93.3	93.3
≥ 900	33.0	52.8	57.2	71.9	79.6	81.9	87.9	89.8	91.9	91.9	92.6	93.3	93.5	93.5	94.0	94.0
≥ 800	33.2	53.0	57.4	72.3	80.2	82.5	88.4	90.4	91.4	92.6	93.3	94.0	94.4	94.4	94.9	94.9
≥ 700	33.2	53.0	57.4	72.3	80.2	82.5	88.4	90.4	91.6	93.0	93.7	94.4	94.7	94.7	95.3	95.3
≥ 600	33.2	53.0	57.4	72.3	80.2	82.5	88.4	90.5	91.9	93.5	94.2	94.9	95.3	95.4	96.0	96.0
≥ 500	33.2	53.0	57.4	72.3	80.5	82.8	89.1	91.2	92.6	94.2	94.9	95.6	96.0	96.1	96.7	96.7
≥ 400	33.2	53.0	57.4	72.3	80.5	82.8	89.1	91.2	92.8	94.4	95.1	95.8	96.1	97.0	97.5	97.5
≥ 300	33.2	53.0	57.4	72.3	80.5	82.8	89.1	91.2	93.0	95.1	95.8	96.5	96.8	97.7	98.2	98.6
≥ 200	33.2	53.0	57.4	72.3	80.5	82.8	89.1	91.2	93.0	95.1	95.8	96.5	96.8	97.9	98.4	99.1
≥ 100	33.2	53.0	57.4	72.3	80.5	82.8	89.1	91.2	93.0	95.1	95.8	96.5	97.0	98.2	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 570

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 335 FINTHEN AAF, DL

73-61

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	11.0	16.9	18.7	21.4	23.7	24.7	25.1	26.9	26.9	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥20000	13.4	20.3	21.4	24.9	26.1	29.3	30.8	31.9	32.7	32.4	32.4	32.7	32.7	32.7	32.7	32.9
≥18000	13.4	20.3	21.4	25.3	28.5	29.7	31.2	32.2	32.4	32.7	32.7	33.1	33.1	33.1	33.1	33.2
≥16000	13.4	20.3	21.4	25.3	28.5	29.7	31.2	32.2	32.4	32.7	32.7	33.1	33.1	33.1	33.1	33.2
≥14000	13.4	20.3	21.4	25.3	28.5	29.7	31.2	32.2	32.4	32.7	32.7	33.1	33.1	33.1	33.1	33.2
≥12000	13.4	20.3	21.4	25.3	28.5	29.7	31.2	32.2	32.4	32.7	32.7	33.1	33.1	33.1	33.1	33.2
≥10000	14.2	22.4	23.4	26.5	31.7	33.1	34.6	35.6	35.9	36.1	36.1	36.6	36.6	36.6	36.6	36.8
≥8000	15.1	23.4	24.6	29.7	32.9	34.7	36.4	37.8	38.7	38.3	38.5	38.8	38.8	38.8	38.8	39.0
≥6000	17.5	26.8	28.6	35.3	39.5	41.7	43.6	44.9	45.3	45.6	45.8	46.1	46.1	46.1	46.1	46.3
≥4000	19.1	28.1	31.0	37.1	41.4	43.6	45.6	46.9	47.3	47.5	47.8	48.1	48.1	48.1	48.1	48.3
≥2000	18.3	28.3	30.2	37.3	41.5	43.7	45.8	47.1	47.5	47.8	48.1	48.3	48.3	48.3	48.3	48.5
≥1000	18.6	29.8	31.7	39.8	44.2	46.4	48.5	49.8	50.2	50.8	51.2	51.5	51.5	51.5	51.5	51.7
≥500	19.7	31.2	33.1	41.5	46.3	48.5	50.8	52.2	52.5	53.2	53.4	53.9	53.9	53.9	53.9	54.1
≥250	22.5	36.1	38.0	46.8	52.0	54.2	56.6	58.0	58.3	59.2	59.5	59.8	59.8	59.8	59.8	60.0
≥125	23.7	38.8	40.7	50.0	55.4	57.8	60.5	61.9	62.2	63.1	63.4	63.7	63.7	63.7	63.7	63.9
≥62.5	26.6	43.9	46.3	57.1	62.9	65.6	69.8	71.5	71.9	72.7	73.1	73.4	73.6	73.6	73.6	73.7
≥31.2	28.8	47.1	49.7	61.4	67.6	70.5	75.3	76.9	77.3	78.1	78.5	78.8	79.0	79.0	79.0	79.2
≥15.6	31.2	50.5	53.1	65.4	72.4	75.6	80.8	83.2	83.7	84.7	85.1	85.4	85.6	85.6	85.6	85.8
≥7.8	31.9	51.4	53.9	66.9	74.2	77.5	82.9	85.3	85.8	86.8	87.1	87.5	87.6	87.6	87.6	87.8
≥3.9	32.0	52.0	55.4	69.2	76.4	79.8	85.3	87.8	88.5	89.8	90.2	90.5	90.7	90.7	90.7	90.8
≥1.9	32.1	52.0	55.4	70.2	78.0	81.4	87.1	89.7	90.7	92.0	92.4	92.7	92.9	92.9	92.9	93.1
≥0.9	32.1	52.0	55.4	71.2	79.5	81.9	87.6	90.2	91.2	92.5	92.9	93.2	93.4	93.4	93.4	93.6
≥0.4	32.0	52.4	55.8	70.5	79.2	82.5	88.3	90.8	92.0	93.4	93.7	94.2	94.4	94.7	94.7	94.9
≥0.2	32.1	52.4	55.8	70.5	79.5	83.1	89.0	91.5	92.7	94.1	94.4	94.9	95.1	95.6	95.6	95.8
≥0.1	32.0	52.4	55.8	70.5	79.7	83.2	89.2	91.9	93.1	94.6	94.9	95.4	95.6	96.3	96.3	96.4
≥0.05	32.0	52.4	55.8	70.5	79.7	83.2	89.2	92.0	93.4	95.4	95.8	96.3	96.8	97.3	97.3	97.5
≥0.025	32.0	52.4	55.8	70.5	79.7	83.2	89.2	92.0	93.4	95.4	95.8	96.3	96.8	97.5	98.6	98.6
≥0.01	32.0	52.4	55.8	70.5	79.7	83.2	89.2	92.0	93.4	95.4	95.8	96.3	96.8	97.5	98.6	98.6
≥0.005	32.1	52.4	55.8	70.5	79.7	83.2	89.2	92.0	93.4	95.4	95.8	96.3	96.8	97.5	98.6	98.6
≥0.0025	32.1	52.4	55.8	70.5	79.7	83.2	89.2	92.0	93.4	95.4	95.8	96.3	96.8	97.5	98.6	98.6
≥0.001	32.1	52.4	55.8	70.5	79.7	83.2	89.2	92.0	93.4	95.4	95.8	96.3	96.8	97.5	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 590

CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1335  
STATION

FINTHEN AAF, DL

73-61

MA  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1222-1400  
SUNSET

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. CEILING	11.5	18.0	15.7	21.6	23.8	24.2	25.6	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
20000	14.2	21.9	22.4	26.9	29.5	30.4	31.0	32.3	32.3	32.5	32.5	32.5	32.5	32.5	32.5	32.5
21800	14.5	22.3	23.1	27.8	30.4	31.3	32.6	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3
21600	14.5	22.3	23.3	27.8	30.4	31.3	32.6	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3
21400	14.5	22.3	23.3	27.8	30.4	31.3	32.6	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3
21200	14.5	22.3	23.5	28.3	31.1	32.1	33.5	34.0	34.0	34.2	34.2	34.2	34.2	34.2	34.2	34.2
21000	15.4	25.4	26.1	31.6	34.4	35.6	37.7	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8
20800	16.4	25.9	26.6	32.1	35.2	37.1	38.7	39.4	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6
20600	21.0	30.9	32.0	38.0	41.8	43.9	45.6	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5
20400	20.0	31.1	32.1	38.9	43.2	45.3	47.0	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
20200	20.0	31.1	32.1	39.2	43.5	45.6	47.3	48.0	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2
20000	20.7	32.0	33.3	40.9	45.3	47.5	49.6	50.3	50.7	50.6	50.6	50.6	50.6	50.6	50.6	50.6
19800	20.4	32.5	33.5	42.0	47.0	49.2	51.5	52.3	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7
19600	23.1	35.3	36.3	45.9	51.1	53.5	56.0	56.8	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2
19400	25.4	39.4	41.4	50.6	56.5	59.1	61.7	62.5	62.5	62.9	62.9	62.9	62.9	62.9	62.9	62.9
19200	35.1	50.1	51.5	64.1	71.8	73.9	76.7	77.9	77.9	78.6	78.6	78.6	78.6	78.6	78.6	78.6
19000	36.6	53.2	54.7	67.9	74.6	77.9	80.7	82.0	82.0	82.7	82.7	82.9	82.9	82.9	82.9	82.9
18800	38.9	56.1	58.2	72.2	79.6	83.4	86.7	88.6	88.8	89.5	89.8	89.8	89.8	89.8	89.8	89.8
18600	38.7	56.5	58.7	73.1	80.7	84.6	87.9	89.8	90.0	90.7	91.0	91.0	91.0	91.0	91.0	91.0
18400	39.7	57.7	59.9	75.0	83.4	87.6	90.8	92.9	93.3	94.1	94.5	94.5	94.5	94.5	94.5	94.5
18200	39.9	58.0	60.3	76.5	85.3	89.5	92.7	94.8	95.5	96.4	96.7	96.7	96.7	96.7	96.7	96.7
18000	40.2	58.4	60.6	77.7	86.7	91.0	94.3	96.4	97.2	98.1	98.4	98.4	98.4	98.4	98.4	98.4
17800	40.2	58.4	60.6	77.7	86.9	91.2	94.5	96.5	97.4	98.3	98.6	98.6	98.6	98.6	98.6	98.6
17600	40.2	58.4	60.6	77.7	87.0	91.4	94.6	96.7	97.6	98.4	98.8	98.8	98.8	98.8	98.8	98.8
17400	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.2	98.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5
17200	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
17000	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
16800	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
16600	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
16400	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
16200	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
16000	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
15800	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
15600	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
15400	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
15200	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
15000	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
14800	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
14600	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
14400	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
14200	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
14000	40.2	58.4	60.6	77.7	87.2	91.7	95.2	97.4	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 579



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 335 FINTHEN AAF, DL

73-81

4 AD

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	13.8	20.9	21.7	24.9	27.9	28.3	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 20000	17.2	25.8	26.9	31.8	35.0	35.4	35.5	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 18000	17.5	26.1	27.3	32.5	36.0	36.4	36.5	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 16000	17.7	26.3	27.4	32.7	36.2	36.5	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 14000	17.8	26.4	27.6	33.0	36.5	36.9	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 12000	18.4	27.1	28.3	33.7	37.4	37.7	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 10000	20.7	30.1	31.3	37.2	41.2	41.6	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 9000	21.1	31.3	32.7	38.2	42.6	43.3	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 8000	22.9	33.7	35.5	41.8	47.1	48.0	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 7000	23.6	34.5	36.9	43.1	48.5	49.3	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 6000	23.7	34.7	37.2	43.9	49.3	50.2	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 5000	24.6	36.5	39.1	46.3	52.0	53.0	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 4500	25.1	38.2	41.1	48.3	54.2	55.2	56.1	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 4000	27.4	43.4	46.5	54.4	60.3	61.3	62.3	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 3500	31.1	48.3	51.7	60.9	67.5	68.5	69.9	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 3000	38.0	56.2	61.5	72.6	79.6	80.8	82.2	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2500	39.2	59.9	63.8	75.8	83.2	84.5	86.0	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	41.1	62.6	67.0	79.8	88.0	89.9	91.6	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	41.1	62.6	67.2	80.6	88.9	90.7	92.4	92.9	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1600	41.4	63.3	68.0	81.6	90.4	92.4	94.3	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1400	41.6	63.6	68.4	83.5	92.4	94.4	96.5	97.1	97.1	97.6	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	41.6	63.6	68.4	84.0	92.9	94.9	97.3	98.3	98.3	98.8	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	41.6	63.6	68.4	84.2	93.1	95.1	97.5	98.5	98.5	99.0	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	41.6	63.6	68.4	84.2	93.1	95.1	97.5	98.5	98.5	99.0	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	41.6	63.6	68.4	84.2	93.1	95.1	97.5	98.5	98.5	99.0	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	41.6	63.6	68.4	84.2	93.1	95.1	97.5	98.5	98.5	99.0	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	41.6	63.6	68.4	84.2	93.1	95.1	97.5	98.5	98.5	99.0	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	41.6	63.6	68.4	84.2	93.1	95.1	97.5	98.8	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	41.6	63.6	68.4	84.2	93.1	95.1	97.5	98.8	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	41.6	63.6	68.4	84.2	93.1	95.1	97.5	98.8	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	41.6	63.6	68.4	84.2	93.1	95.1	97.5	98.8	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	41.6	63.6	68.4	84.2	93.1	95.1	97.5	98.8	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	41.6	63.6	68.4	84.2	93.1	95.1	97.5	98.8	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 594

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10.335 FINTHEN AAF, DL

73-81

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
COURT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO. CEILING	18.4	25.1	26.2	29.3	30.5	30.5	30.8	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 20000	23.1	32.4	33.5	37.9	39.1	39.1	40.0	40.2	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 18000	23.0	32.5	34.1	39.9	40.0	40.0	41.0	41.2	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 16000	23.4	33.1	34.5	39.3	40.4	40.4	41.4	41.6	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 14000	23.4	33.5	34.9	39.7	40.8	40.8	41.8	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 12000	23.6	33.7	35.1	40.0	41.2	41.2	42.1	42.3	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 10000	25.5	36.0	37.4	42.3	44.1	44.3	45.6	45.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 9000	25.5	36.6	37.9	43.3	45.6	45.6	47.1	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 8000	27.8	40.0	42.1	48.3	52.1	52.5	54.7	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 7000	29.1	41.2	43.1	49.8	53.6	54.0	56.1	56.3	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 6000	28.5	41.2	43.1	49.8	53.8	54.2	56.3	56.5	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 5000	29.9	42.9	45.1	52.5	57.1	57.5	60.0	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 4500	29.3	44.3	46.7	54.4	59.4	59.8	62.3	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 4000	31.3	49.4	52.1	61.5	66.7	67.2	69.7	69.9	69.9	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 3500	34.3	52.9	55.7	65.9	71.3	72.0	74.7	74.9	74.9	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	39.7	60.0	63.2	74.5	80.3	81.0	83.7	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500	39.8	61.1	64.9	77.2	83.1	84.3	87.0	87.4	87.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2000	42.1	63.8	68.2	81.4	87.5	89.3	92.3	92.7	92.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9
≥ 1800	42.0	63.8	68.2	81.6	87.7	89.5	92.7	93.1	93.1	94.1	94.1	94.3	94.3	94.3	94.3	94.3
≥ 1600	42.5	64.4	69.7	83.5	90.0	92.0	95.6	96.0	96.2	97.1	97.1	97.3	97.3	97.3	97.3	97.3
≥ 1400	42.7	64.9	69.5	84.5	91.0	92.9	96.6	96.9	97.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3
≥ 1200	42.7	64.9	69.5	84.5	91.0	92.9	96.6	96.9	97.1	98.3	98.3	98.5	98.5	98.7	98.7	98.7
≥ 1000	42.7	64.9	69.5	84.5	91.0	92.9	96.6	96.9	97.1	98.3	98.3	98.5	98.5	98.7	98.7	98.7
≥ 900	42.7	64.9	69.5	84.5	91.0	92.9	96.6	96.9	97.1	98.3	98.3	98.5	98.5	98.7	98.7	98.7
≥ 800	42.7	64.9	69.5	84.5	91.0	92.9	96.6	96.9	97.1	98.3	98.3	98.5	98.5	98.7	98.7	98.7
≥ 700	42.7	64.9	69.5	84.5	91.0	92.9	96.6	96.9	97.1	98.3	98.3	98.5	98.5	98.7	98.7	98.7
≥ 600	42.7	64.9	69.5	84.5	91.0	92.9	96.6	96.9	97.1	98.3	98.3	98.5	98.5	98.7	98.7	98.7
≥ 500	42.7	64.9	69.5	84.5	91.0	92.9	96.6	96.9	97.1	98.3	98.3	98.5	98.5	98.7	98.7	98.7
≥ 400	42.7	64.9	69.5	84.5	91.0	92.9	96.6	96.9	97.1	98.3	98.3	98.5	98.5	98.7	98.7	98.7
≥ 300	42.7	64.9	69.5	84.5	91.0	92.9	96.6	96.9	97.1	98.3	98.3	98.5	98.5	98.7	98.7	98.7
≥ 200	42.7	64.9	69.5	84.5	91.0	92.9	96.6	96.9	97.1	98.3	98.3	98.5	98.5	98.7	98.7	98.7
≥ 100	42.7	64.9	69.5	84.5	91.0	92.9	96.6	96.9	97.1	98.3	98.3	98.5	98.5	98.7	98.7	98.7
≥ 0	42.7	64.9	69.5	84.5	91.0	92.9	96.6	96.9	97.1	98.3	98.3	98.5	98.5	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 522

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE INSTRUCTIONS

## CEILING VERSUS VISIBILITY

100335  
STATION

FINTHEN AAF, DL

STATION NAME

73-81

WAVE

MAP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	13.6	20.0	21.0	24.2	26.3	26.9	27.9	28.2	28.3	28.3	28.4	28.4	28.4	28.4	28.5	28.5
≥ 20000	15.3	24.2	25.3	29.7	32.3	33.0	34.2	34.7	34.8	34.9	34.9	35.0	35.1	35.1	35.1	35.2
≥ 18000	16.4	24.4	25.6	30.2	32.9	33.7	34.9	35.3	35.4	35.6	35.6	35.7	35.7	35.7	35.8	35.8
≥ 16000	16.5	24.5	25.7	30.3	33.0	33.8	35.0	35.4	35.5	35.7	35.7	35.8	35.8	35.8	35.9	35.9
≥ 14000	16.6	24.6	25.8	30.5	33.2	33.9	35.1	35.6	35.7	35.8	35.8	35.9	36.0	36.0	36.0	36.1
≥ 12000	16.9	25.0	26.2	31.0	33.8	34.6	35.8	36.2	36.3	36.5	36.5	36.6	36.6	36.6	36.7	36.7
≥ 10000	18.1	27.1	29.2	33.5	36.5	37.4	38.8	39.3	39.4	39.5	39.6	39.7	39.7	39.7	39.8	39.8
≥ 9000	18.4	27.7	28.9	34.3	37.6	38.8	40.3	40.8	40.9	41.1	41.1	41.2	41.3	41.3	41.4	41.4
≥ 8000	20.9	31.4	33.1	39.2	43.3	44.7	46.4	47.0	47.2	47.3	47.4	47.5	47.5	47.5	47.6	47.6
≥ 7000	21.3	32.3	34.1	40.6	44.9	46.3	48.2	48.8	49.0	49.1	49.2	49.3	49.3	49.3	49.4	49.4
≥ 6000	21.9	32.6	34.5	41.1	45.4	46.8	48.8	49.4	49.5	49.7	49.7	49.8	49.9	49.9	49.9	50.0
≥ 5000	22.3	34.0	35.9	43.4	48.0	49.5	51.6	52.2	52.4	52.6	52.8	53.0	53.0	53.0	53.1	53.1
≥ 4500	22.9	35.3	37.3	45.1	50.1	51.6	53.8	54.5	54.6	55.0	55.1	55.3	55.3	55.3	55.4	55.4
≥ 4000	25.3	39.7	41.8	50.3	55.5	57.1	59.4	60.1	60.3	60.7	60.9	61.0	61.1	61.1	61.1	61.2
≥ 3500	27.5	43.5	46.1	55.3	61.0	62.6	65.2	65.9	66.1	66.5	66.7	66.8	66.9	66.9	66.9	67.0
≥ 3000	33.0	50.3	53.6	64.8	70.9	72.8	75.9	76.8	77.0	77.6	77.7	77.9	77.9	78.0	78.0	78.0
≥ 2500	34.4	53.2	56.3	68.3	74.8	76.8	80.1	81.1	81.4	82.0	82.1	82.3	82.4	82.4	82.5	82.5
≥ 2000	36.7	56.5	59.9	72.8	79.8	82.3	85.9	87.3	87.6	88.3	88.5	88.7	88.8	88.8	88.9	89.0
≥ 1800	36.9	56.8	60.3	73.7	80.9	83.4	87.1	88.5	88.8	89.6	89.8	90.0	90.0	90.1	90.2	90.2
≥ 1500	37.6	57.8	61.6	75.8	83.4	86.0	89.9	91.4	91.9	92.7	93.0	93.2	93.3	93.3	93.4	93.5
≥ 1200	37.8	58.2	62.1	77.0	84.9	87.5	91.5	93.0	93.7	94.5	94.8	95.1	95.1	95.2	95.3	95.3
≥ 1000	37.9	58.3	62.2	77.7	85.6	88.3	92.5	94.0	94.7	95.6	95.9	96.2	96.3	96.3	96.5	96.5
≥ 900	37.9	58.3	62.2	77.8	85.8	88.6	92.7	94.3	94.9	95.9	96.2	96.5	96.6	96.6	96.8	96.8
≥ 800	37.9	58.4	62.3	77.9	86.1	88.8	93.0	94.5	95.2	96.2	96.6	96.9	97.0	97.1	97.3	97.3
≥ 700	37.9	58.4	62.3	77.9	86.2	89.0	93.2	94.8	95.5	96.6	96.9	97.2	97.3	97.5	97.6	97.7
≥ 600	37.9	58.4	62.3	77.9	86.3	89.0	93.2	94.9	95.7	96.8	97.2	97.4	97.6	97.8	98.0	98.0
≥ 500	37.9	58.4	62.3	77.9	86.3	89.1	93.4	95.2	96.0	97.3	97.6	97.9	98.1	98.3	98.5	98.5
≥ 400	37.9	58.4	62.3	77.9	86.3	89.1	93.4	95.2	96.1	97.4	97.8	98.2	98.4	98.9	99.1	99.1
≥ 300	37.9	58.4	62.3	77.9	86.3	89.1	93.4	95.2	96.1	97.6	98.0	98.3	98.7	99.2	99.4	99.5
≥ 200	37.9	58.4	62.3	77.9	86.3	89.1	93.4	95.2	96.2	97.6	98.1	98.4	98.8	99.4	99.6	99.8
≥ 100	37.9	58.4	62.3	77.9	86.3	89.1	93.4	95.2	96.2	97.6	98.1	98.4	98.8	99.4	99.7	99.9
≥ 0	37.9	58.4	62.3	77.9	86.3	89.1	93.4	95.2	96.2	97.6	98.1	98.4	98.8	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2931

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10335 FINTHEN AAF, DL

73, 75-78, 80-81

APD

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	30.9	40.9	44.5	47.3	49.1	50.0	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	31.9	44.5	43.2	51.9	52.7	53.6	55.5	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 18000	31.8	45.5	49.1	51.8	53.6	54.5	56.4	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000	31.8	45.5	49.1	51.8	53.6	54.5	56.4	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 14000	31.8	45.5	49.1	51.8	53.6	54.5	56.4	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 12000	31.8	45.5	49.1	51.8	53.6	54.5	56.4	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 10000	32.7	47.3	51.9	53.6	55.5	56.4	58.2	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 9000	32.7	47.3	51.9	53.6	55.5	56.4	58.2	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 8000	33.6	49.1	52.7	55.5	57.3	58.2	60.0	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 7000	35.5	50.9	54.5	57.3	59.1	60.0	61.8	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 6000	35.5	50.9	54.5	57.3	59.1	60.0	61.8	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 5000	36.4	52.7	56.4	59.1	60.9	61.8	63.6	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4500	36.4	52.7	56.4	59.1	60.9	61.8	63.6	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4000	40.0	57.3	60.9	64.5	66.4	67.3	69.1	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 3500	40.0	58.2	61.8	66.4	68.2	69.1	70.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3000	42.7	61.8	66.4	72.7	76.4	77.3	79.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	44.5	64.5	70.0	77.3	80.9	81.8	83.6	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 2000	46.4	68.2	73.6	82.7	88.2	89.1	90.9	92.7	92.7	93.6	94.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	47.3	69.1	74.5	83.6	89.1	90.0	91.8	93.6	93.6	94.5	95.5	96.4	96.4	96.4	96.4	96.4
≥ 1600	47.3	71.8	77.3	86.4	91.8	92.7	94.5	96.4	96.4	97.3	98.2	99.1	99.1	99.1	99.1	99.1
≥ 1400	47.3	71.8	77.3	86.4	91.8	92.7	94.5	96.4	96.4	97.3	98.2	99.1	99.1	99.1	99.1	99.1
≥ 1200	47.3	71.8	77.3	86.4	91.8	92.7	94.5	96.4	96.4	97.3	98.2	99.1	99.1	99.1	99.1	99.1
≥ 1000	47.3	71.8	77.3	86.4	91.8	92.7	94.5	96.4	96.4	97.3	98.2	99.1	99.1	99.1	99.1	99.1
≥ 900	47.3	71.8	77.3	86.4	91.8	92.7	94.5	96.4	96.4	97.3	98.2	99.1	99.1	99.1	99.1	99.1
≥ 800	47.3	71.8	77.3	86.4	91.8	92.7	94.5	96.4	96.4	97.3	98.2	99.1	99.1	99.1	99.1	99.1
≥ 700	47.3	71.8	77.3	86.4	91.8	92.7	94.5	96.4	96.4	97.3	98.2	99.1	99.1	99.1	99.1	99.1
≥ 600	47.3	71.8	77.3	86.4	91.8	92.7	94.5	96.4	96.4	97.3	98.2	99.1	99.1	99.1	99.1	99.1
≥ 500	47.3	71.8	77.3	86.4	91.8	92.7	94.5	96.4	96.4	97.3	98.2	99.1	99.1	99.1	99.1	99.1
≥ 400	47.3	71.8	77.3	86.4	91.8	92.7	94.5	96.4	96.4	97.3	98.2	99.1	99.1	99.1	99.1	99.1
≥ 300	47.3	71.8	77.3	86.4	91.8	92.7	94.5	97.3	97.3	98.2	99.1	100.0	100.0	100.0	100.0	100.0
≥ 200	47.3	71.8	77.3	86.4	91.8	92.7	94.5	97.3	97.3	98.2	99.1	100.0	100.0	100.0	100.0	100.0
≥ 100	47.3	71.8	77.3	86.4	91.8	92.7	94.5	97.3	97.3	98.2	99.1	100.0	100.0	100.0	100.0	100.0
≥ 0	47.3	71.8	77.3	86.4	91.8	92.7	94.5	97.3	97.3	98.2	99.1	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 11

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10-335 FINTHEN AAF, DL

73-81

APD

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0600  
SUNNY

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ .005	≥ .001
NO CEILING	21.6	29.5	32.4	35.9	39.4	40.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000	24.7	33.9	37.7	41.4	45.6	47.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 18000	25.1	34.8	37.9	42.3	46.5	48.0	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 16000	25.1	34.8	37.9	42.3	46.5	48.0	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 14000	25.1	34.8	37.9	42.3	46.5	48.0	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 12000	25.1	34.8	37.9	42.3	46.5	48.0	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 10000	26.2	36.3	39.4	44.7	49.1	50.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 9000	26.7	36.8	39.9	45.2	49.6	51.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 8000	28.8	39.2	42.7	48.9	53.3	54.8	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 7000	29.1	40.1	43.6	50.4	54.8	56.4	59.5	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 6000	29.3	40.5	44.0	51.1	55.5	57.1	60.3	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 5000	29.7	41.4	45.2	52.6	57.3	59.0	62.6	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 4500	30.1	41.9	46.2	53.7	58.4	60.1	63.9	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4000	31.5	45.1	49.6	57.9	63.0	64.7	68.5	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 3500	33.0	48.7	53.3	61.9	67.4	69.0	72.9	73.4	73.6	73.8	73.8	73.8	73.8	73.8	73.8	74.0
≥ 3000	35.7	53.1	58.2	67.4	73.1	74.9	79.3	80.6	80.8	81.5	81.5	81.5	81.5	81.5	81.5	81.9
≥ 2500	37.1	55.9	61.0	70.3	76.7	78.6	83.2	84.4	84.6	85.3	85.3	85.3	85.3	85.3	85.3	85.7
≥ 2000	38.5	58.8	64.1	74.2	81.9	84.1	89.0	90.5	90.7	91.6	91.9	91.9	91.9	92.5	92.5	92.9
≥ 1800	39.4	59.7	65.0	75.1	83.0	85.2	90.1	91.6	91.8	92.7	93.0	93.0	93.0	93.6	93.6	94.0
≥ 1500	39.6	61.5	67.0	78.0	85.9	88.1	93.0	94.5	94.7	95.8	96.2	96.2	96.2	96.9	97.1	97.4
≥ 1200	39.7	62.1	67.6	78.8	86.8	89.2	94.1	95.6	95.8	96.9	97.3	97.3	97.3	98.0	98.2	98.5
≥ 1000	39.9	62.3	67.9	79.1	87.2	89.6	94.5	96.2	96.3	97.4	97.8	97.8	97.8	98.5	98.7	99.1
≥ 900	39.9	62.3	67.8	79.1	87.2	89.6	94.5	96.2	96.3	97.4	97.8	97.8	97.8	98.5	98.7	99.1
≥ 800	39.9	62.3	67.8	79.1	87.4	89.7	94.7	96.3	96.5	97.6	98.0	98.0	98.0	98.7	98.9	99.3
≥ 700	39.9	62.3	67.8	79.1	87.4	89.7	94.7	96.3	96.5	97.6	98.0	98.0	98.0	98.7	98.9	99.3
≥ 600	39.9	62.3	67.8	79.1	87.4	89.7	94.7	96.3	96.5	97.6	98.0	98.0	98.0	98.7	98.9	99.3
≥ 500	39.9	62.3	67.8	79.1	87.4	89.7	94.7	96.3	96.5	97.6	98.0	98.0	98.0	98.7	98.9	99.3
≥ 400	39.9	62.3	67.8	79.1	87.4	89.7	94.7	96.3	96.5	97.6	98.0	98.0	98.0	98.7	98.9	99.3
≥ 300	39.9	62.3	67.8	79.1	87.4	89.7	94.7	96.3	96.5	97.6	98.0	98.0	98.0	98.7	98.9	99.3
≥ 200	39.9	62.3	67.8	79.1	87.4	89.7	94.7	96.3	96.5	97.6	98.0	98.0	98.0	98.7	98.9	99.3
≥ 100	39.9	62.3	67.8	79.1	87.4	89.7	94.7	96.3	96.5	97.6	98.0	98.0	98.0	98.7	98.9	99.3
≥ 0	39.9	62.3	67.8	79.1	87.4	89.7	94.7	96.3	96.5	97.6	98.0	98.0	98.0	98.7	98.9	99.3

TOTAL NUMBER OF OBSERVATIONS 546

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
ATP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10-335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-61  
YEAR

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
TIME

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING ≥ 20000	21.9	3.3	32.7	38.1	41.1	41.7	42.7	42.7	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 18000	24.4	35.5	38.2	44.5	47.8	48.3	49.4	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 16000	25.1	35.9	38.6	44.9	48.3	48.8	49.9	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 14000	25.1	36.1	38.8	45.1	48.5	49.0	50.1	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 12000	26.0	37.0	39.9	46.3	49.7	50.3	51.3	51.3	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 10000	27.1	38.6	41.5	48.3	51.7	52.2	53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 9000	27.1	38.6	41.5	48.8	52.2	52.8	54.0	54.0	54.0	54.2	54.4	54.6	54.6	54.6	54.6	54.6
≥ 8000	28.4	40.9	43.4	52.6	56.2	56.7	58.0	58.2	58.2	58.5	58.7	58.9	58.9	58.9	58.9	58.9
≥ 7000	29.1	42.0	44.9	53.9	58.2	58.7	60.3	60.5	60.7	61.0	61.2	61.4	61.4	61.4	61.4	61.4
≥ 6000	29.4	42.4	45.2	54.8	59.1	59.6	61.2	61.4	61.6	61.9	62.1	62.3	62.3	62.3	62.3	62.3
≥ 5000	30.0	43.6	47.4	57.1	61.4	61.9	63.6	63.7	63.9	64.3	64.5	64.6	64.6	64.6	64.6	64.6
≥ 4500	31.2	45.4	49.7	59.1	63.6	64.1	65.7	66.2	66.4	66.8	67.0	67.1	67.1	67.1	67.1	67.1
≥ 4000	33.2	48.7	52.6	62.7	67.7	68.2	70.0	70.4	70.7	71.1	71.3	71.5	71.5	71.5	71.5	71.5
≥ 3500	34.8	51.9	55.8	66.8	72.2	72.7	74.5	75.0	75.4	75.8	75.9	76.1	76.1	76.1	76.1	76.1
≥ 3000	38.2	56.2	60.5	72.7	78.8	79.5	81.5	82.0	82.4	83.3	83.5	83.7	83.8	83.8	83.8	83.8
≥ 2500	40.9	59.6	63.9	76.8	84.6	85.3	87.3	87.8	88.2	89.2	89.4	89.6	89.8	89.8	89.8	89.8
≥ 2000	41.8	61.6	65.9	79.4	88.3	89.0	91.2	91.7	92.1	93.5	93.9	94.1	94.3	94.4	94.4	94.4
≥ 1800	42.7	63.7	67.3	81.1	90.1	90.8	93.0	93.5	93.9	95.3	95.7	95.9	96.1	96.2	96.2	96.2
≥ 1500	44.2	64.6	68.9	82.9	91.9	92.6	94.8	95.3	95.7	97.1	97.5	97.7	97.8	98.0	98.0	98.0
≥ 1200	44.7	65.2	69.5	84.0	93.2	93.9	96.1	96.6	96.9	98.4	98.7	98.9	99.1	99.3	99.3	99.3
≥ 1000	44.7	65.2	69.5	84.2	93.4	94.1	96.2	96.8	97.1	98.6	98.9	99.1	99.3	99.5	99.5	99.5
≥ 900	44.7	65.2	69.5	84.2	93.4	94.1	96.2	96.8	97.1	98.6	98.9	99.1	99.3	99.5	99.5	99.5
≥ 800	44.7	65.2	69.5	84.2	93.4	94.1	96.2	96.8	97.1	98.6	98.9	99.1	99.3	99.5	99.5	99.5
≥ 700	44.7	65.2	69.5	84.2	93.4	94.1	96.2	96.8	97.1	98.6	98.9	99.1	99.3	99.5	99.5	99.5
≥ 600	44.7	65.2	69.5	84.2	93.4	94.1	96.2	96.8	97.1	98.6	98.9	99.1	99.3	99.5	99.5	99.5
≥ 500	44.7	65.2	69.5	84.2	93.4	94.1	96.2	96.8	97.1	98.6	98.9	99.1	99.3	99.5	99.5	99.5
≥ 400	44.7	65.2	69.5	84.2	93.4	94.1	96.2	96.9	97.7	99.1	99.6	99.8	100.0	100.0	100.0	100.0
≥ 300	44.7	65.2	69.5	84.2	93.4	94.1	96.2	96.9	97.7	99.1	99.6	99.8	100.0	100.0	100.0	100.0
≥ 200	44.7	65.2	69.5	84.2	93.4	94.1	96.2	96.9	97.7	99.1	99.6	99.8	100.0	100.0	100.0	100.0
≥ 100	44.7	65.2	69.5	84.2	93.4	94.1	96.2	96.9	97.7	99.1	99.6	99.8	100.0	100.0	100.0	100.0
≥ 0	44.7	65.2	69.5	84.2	93.4	94.1	96.2	96.9	97.7	99.1	99.6	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 557

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
A - WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10-33 FINTHEN AAF, DL

73-61

AP2

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

SOURCE

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO. CEILING	24.3	31.1	31.3	36.1	36.9	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 20000	27.4	37.9	39.0	44.9	45.6	45.6	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 18000	27.4	37.9	39.0	44.9	45.6	45.6	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 16000	27.4	37.9	39.0	44.9	45.6	45.6	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 14000	27.4	38.5	39.5	45.4	46.2	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 12000	27.5	38.6	39.7	45.6	46.3	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 10000	29.2	40.4	41.5	47.4	48.3	48.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 9000	30.1	41.3	42.4	48.3	49.2	49.2	49.6	49.6	49.6	49.6	49.9	50.1	50.1	50.1	50.1	50.1
≥ 8000	30.6	42.9	44.0	51.0	51.9	52.1	52.4	52.4	52.4	53.3	53.5	53.5	53.5	53.5	53.5	53.5
≥ 7000	31.7	44.4	45.4	52.8	53.8	54.0	54.4	54.4	54.4	55.3	55.5	55.5	55.5	55.5	55.5	55.5
≥ 6000	32.2	44.9	46.7	53.5	54.6	54.7	55.1	55.1	55.1	56.0	56.2	56.2	56.2	56.2	56.2	56.2
≥ 5000	33.5	46.3	47.4	54.9	56.0	56.2	56.5	56.5	56.5	57.4	57.6	57.6	57.6	57.6	57.6	57.6
≥ 4500	34.9	48.1	49.2	56.7	57.8	58.0	58.3	58.3	58.3	59.2	59.4	59.4	59.4	59.4	59.4	59.4
≥ 4000	38.5	53.1	54.6	62.3	63.3	63.5	63.9	63.9	63.9	64.8	64.9	64.9	64.9	64.9	64.9	64.9
≥ 3500	44.5	60.5	62.1	70.7	71.7	71.9	72.3	72.3	72.3	73.2	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3000	52.6	69.9	71.9	81.6	83.0	83.4	84.1	84.1	84.1	85.0	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500	55.1	73.0	75.0	85.3	87.1	87.5	88.4	88.4	88.6	89.4	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2000	57.2	76.4	78.5	90.3	92.5	92.6	93.7	93.7	94.1	95.5	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1800	57.6	77.1	79.2	91.6	93.7	94.1	95.0	95.0	95.3	96.8	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	58.1	78.4	80.5	92.8	95.0	95.3	96.2	96.2	96.6	98.0	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	58.3	78.7	80.9	93.4	95.5	95.9	96.8	97.0	97.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	58.3	78.7	80.9	93.7	95.9	96.2	97.1	97.3	97.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	58.3	78.7	80.9	93.7	95.9	96.2	97.1	97.3	97.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	58.3	78.9	81.2	94.1	96.2	96.6	97.5	97.7	98.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	58.3	78.9	81.2	94.1	96.2	96.6	97.5	97.7	98.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	58.3	78.9	81.2	94.1	96.2	96.6	97.5	97.7	98.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	58.3	78.9	81.2	94.1	96.2	96.6	97.5	97.7	98.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	58.3	78.9	81.2	94.1	96.4	96.6	97.9	98.0	98.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	58.3	78.9	81.2	94.1	96.4	96.6	97.9	98.0	98.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	58.3	78.9	81.2	94.1	96.4	96.6	97.9	98.0	98.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	58.3	78.9	81.2	94.1	96.4	96.6	97.9	98.0	98.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 50	58.3	78.9	81.2	94.1	96.4	96.6	97.9	98.0	98.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20	58.3	78.9	81.2	94.1	96.4	96.6	97.9	98.0	98.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 559

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	26.3	33.8	34.2	35.6	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 20000	29.5	41.5	41.9	45.3	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 18000	29.9	41.9	42.3	45.7	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 16000	30.0	42.1	42.4	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 14000	30.2	42.6	43.0	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 12000	30.8	43.3	43.7	47.1	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000	33.5	46.6	46.9	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 9000	33.5	46.6	46.9	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 8000	36.0	49.8	50.2	54.5	54.5	55.2	55.2	55.4	55.4	55.4	55.4	57.0	57.0	57.0	57.0	57.0
≥ 7000	37.1	51.4	52.1	56.3	56.3	56.7	57.0	57.2	57.2	57.2	57.2	58.8	58.8	58.8	58.8	58.8
≥ 6000	37.1	51.4	52.0	56.3	56.3	56.7	57.0	57.2	57.2	57.2	57.2	58.8	58.8	58.8	58.8	58.8
≥ 5000	38.1	53.4	54.0	58.3	58.3	58.6	59.0	59.2	59.2	59.2	59.2	60.8	60.8	60.8	60.8	60.8
≥ 4500	39.7	56.1	56.7	61.0	61.3	61.7	61.9	61.9	61.9	61.9	61.9	63.5	63.5	63.5	63.5	63.5
≥ 4000	42.4	61.0	61.5	66.4	66.7	67.1	67.3	67.3	67.3	67.3	67.3	68.9	68.9	68.9	68.9	68.9
≥ 3500	48.7	69.1	70.1	75.0	75.4	75.7	75.9	75.9	75.9	75.9	75.9	77.5	77.5	77.5	77.5	77.5
≥ 3000	55.2	77.0	79.2	84.7	85.3	85.8	86.0	86.0	86.0	86.0	86.0	87.6	87.6	87.6	87.6	87.6
≥ 2500	56.5	79.3	80.6	87.8	88.3	88.8	89.0	89.0	89.0	89.0	89.0	90.6	90.6	90.6	90.6	90.6
≥ 2000	59.0	82.9	84.4	92.3	92.8	93.3	93.5	93.5	93.5	93.5	93.5	95.1	95.1	95.1	95.1	95.1
≥ 1800	59.2	83.3	84.7	92.6	93.3	93.9	94.1	94.1	94.1	94.1	94.1	95.7	95.7	95.7	95.7	95.7
≥ 1500	60.1	84.5	86.1	94.6	95.3	95.9	96.0	96.0	96.0	96.0	96.0	97.8	97.8	98.2	98.2	98.2
≥ 1200	60.1	84.7	86.7	95.3	96.0	96.6	97.1	97.1	97.1	97.1	97.1	98.9	98.9	99.3	99.3	99.3
≥ 1000	60.1	84.7	87.1	95.9	96.6	97.1	97.7	97.7	97.7	97.7	97.7	99.5	99.5	99.8	99.8	99.8
≥ 900	60.1	84.7	87.1	95.9	96.6	97.1	97.7	97.7	97.7	97.7	97.7	99.5	99.5	99.8	99.8	99.8
≥ 800	60.1	84.7	87.1	95.9	96.6	97.1	97.7	97.7	97.7	97.7	97.7	99.5	99.5	99.8	99.8	99.8
≥ 700	60.1	84.7	87.2	96.0	96.8	97.3	97.8	97.8	97.8	97.8	97.8	99.6	99.6	100.0	100.0	100.0
≥ 600	60.1	84.7	87.2	96.0	96.8	97.3	97.8	97.8	97.8	97.8	97.8	99.6	99.6	100.0	100.0	100.0
≥ 500	60.1	84.7	87.2	96.0	96.8	97.3	97.8	97.8	97.8	97.8	97.8	99.6	99.6	100.0	100.0	100.0
≥ 400	60.1	84.7	87.2	96.0	96.8	97.3	97.8	97.8	97.8	97.8	97.8	99.6	99.6	100.0	100.0	100.0
≥ 300	60.1	84.7	87.2	96.0	96.8	97.3	97.8	97.8	97.8	97.8	97.8	99.6	99.6	100.0	100.0	100.0
≥ 200	60.1	84.7	87.2	96.0	96.8	97.3	97.8	97.8	97.8	97.8	97.8	99.6	99.6	100.0	100.0	100.0
≥ 100	60.1	84.7	87.2	96.0	96.8	97.3	97.8	97.8	97.8	97.8	97.8	99.6	99.6	100.0	100.0	100.0
≥ 0	60.1	84.7	87.2	96.0	96.8	97.3	97.8	97.8	97.8	97.8	97.8	99.6	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 556



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 33° FINTHEN AAF, DL

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. HOURS	30.4	43.1	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥2000	34.5	50.8	51.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥1800	34.5	51.0	51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥1600	35.5	52.2	53.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥1400	35.7	52.9	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥1200	39.8	57.6	58.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥1000	40.4	58.4	59.2	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥800	44.1	63.3	64.3	67.1	67.1	67.3	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥600	44.9	64.5	65.5	69.2	69.2	69.6	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥400	45.7	65.7	66.7	70.4	70.4	70.8	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥200	48.1	69.0	70.3	73.7	73.7	74.1	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥100	49.6	71.8	72.9	76.9	77.1	77.6	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥50	53.1	76.9	78.4	82.0	82.2	82.7	82.9	83.3	83.3	83.5	83.5	83.5	83.5	83.7	83.7	83.7
≥25	57.8	82.7	84.1	88.4	88.6	89.0	89.4	89.8	89.8	90.0	90.0	90.0	90.0	90.2	90.2	90.2
≥15	58.2	83.5	84.9	90.2	90.6	91.2	91.6	92.0	92.0	92.2	92.2	92.2	92.2	92.4	92.4	92.4
≥10	60.0	86.1	87.6	93.3	93.7	94.3	94.7	95.1	95.1	95.3	95.3	95.3	95.3	95.5	95.5	95.5
≥5	60.2	86.5	88.0	93.7	94.1	94.7	95.1	95.5	95.5	95.7	95.7	95.7	95.7	95.9	95.9	95.9
≥2	60.6	87.3	88.5	95.7	96.5	97.1	97.6	98.0	98.0	98.2	98.2	98.2	98.2	98.4	98.4	98.4
≥1	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥0.5	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥0.25	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥0.15	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥0.1	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥0.05	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥0.025	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥0.01	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥0.005	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥0.0025	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥0.001	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥0.0005	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥0.00025	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥0.0001	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥0.00005	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥0.000025	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥0.00001	60.8	87.8	90.0	96.9	97.8	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 490

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 335 FINTHEN AAF, DL

73-81

8P

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	25.0	33.6	35.7	38.2	39.7	40.1	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
27000	28.2	39.9	41.5	45.0	47.5	47.9	48.8	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
26000	28.4	40.3	42.1	46.2	47.9	48.4	49.2	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3
25000	28.4	40.3	42.1	46.3	48.0	48.4	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
24000	28.6	40.8	42.5	46.7	48.4	48.9	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
23000	29.7	41.2	43.7	47.3	49.0	49.4	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
22000	31.0	43.7	45.5	51.1	51.8	52.3	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
21000	31.4	44.1	45.1	50.6	52.4	52.6	53.7	53.7	53.7	53.9	54.0	54.0	54.0	54.0	54.0	54.0
20000	33.4	46.2	48.6	54.6	56.5	57.0	58.0	58.2	58.2	58.7	58.8	58.8	58.8	58.8	58.8	58.8
19000	34.2	47.2	51.1	56.2	58.3	58.9	60.1	60.3	60.4	61.0	61.0	61.1	61.1	61.1	61.1	61.1
18000	34.4	48.5	50.4	56.7	58.8	59.4	60.5	60.6	60.8	61.4	61.5	61.5	61.5	61.5	61.5	61.5
17000	35.2	49.9	52.1	58.4	60.5	61.2	62.4	62.7	62.7	63.3	63.4	63.4	63.4	63.4	63.4	63.4
16000	35.5	51.8	53.9	61.5	62.6	63.3	64.6	64.9	64.9	65.5	65.6	65.6	65.6	65.6	65.6	65.6
15000	38.9	55.6	58.3	64.9	67.3	68.0	69.3	69.6	69.7	70.3	70.3	70.4	70.4	70.4	70.4	70.4
14000	42.5	61.0	63.5	70.9	73.4	74.0	75.3	75.7	75.8	76.4	76.5	76.5	76.6	76.6	76.6	76.6
13000	47.4	67.2	71.2	78.5	81.4	82.2	83.7	84.2	84.4	85.2	85.3	85.3	85.4	85.4	85.4	85.5
12000	49.2	69.8	72.7	81.8	85.2	86.0	87.7	88.1	88.3	89.2	89.2	89.3	89.4	89.4	89.4	89.4
11000	51.2	72.7	75.8	85.6	89.7	90.6	92.3	92.9	93.0	94.2	94.4	94.5	94.5	94.7	94.7	94.7
10000	51.5	73.5	76.5	86.6	91.7	91.6	93.4	93.9	94.1	95.2	95.4	95.5	95.6	95.7	95.7	95.8
9000	52.2	74.9	78.0	88.6	92.8	93.7	95.5	96.0	96.2	97.4	97.6	97.7	97.8	98.0	98.0	98.1
8000	52.4	75.3	78.6	89.4	93.7	94.6	96.5	97.0	97.2	98.4	98.6	98.8	98.8	99.0	99.0	99.1
7000	52.4	75.3	78.7	89.7	94.0	94.9	96.7	97.3	97.6	98.8	99.0	99.1	99.2	99.4	99.4	99.5
6000	52.4	75.4	78.8	89.8	94.1	95.0	96.8	97.5	97.7	98.9	99.1	99.3	99.3	99.5	99.5	99.6
5000	52.4	75.4	78.9	89.8	94.1	95.1	96.9	97.5	97.7	98.9	99.1	99.3	99.4	99.5	99.6	99.6
4000	52.4	75.4	78.9	89.8	94.2	95.1	96.9	97.6	97.9	99.1	99.3	99.5	99.6	99.8	99.8	99.9
3000	52.4	75.4	78.9	89.8	94.2	95.1	96.9	97.7	97.9	99.2	99.4	99.6	99.6	99.8	99.9	99.9
2000	52.4	75.4	78.9	89.8	94.2	95.1	96.9	97.7	97.9	99.2	99.4	99.6	99.6	99.8	99.9	100.0
1000	52.4	75.4	78.9	89.8	94.2	95.1	96.9	97.7	97.9	99.2	99.4	99.6	99.6	99.8	99.9	100.0
000	52.4	75.4	78.9	89.8	94.2	95.1	96.9	97.7	97.9	99.2	99.4	99.6	99.6	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2618

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1-335  
STATION

FINTHEN AAF, DL

STATION NAME

73, 75-77, 80-81

YEARS

MAY

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	33.0	37.6	38.5	41.3	44.0	44.0	44.0	44.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 20000	34.9	41.3	43.1	47.7	50.5	50.5	51.4	51.4	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000	35.8	42.2	44.0	48.6	51.4	51.4	52.3	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000	35.8	42.2	44.0	48.6	51.4	51.4	52.3	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000	35.8	42.2	44.0	49.5	52.3	52.3	53.2	53.2	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 12000	35.8	43.1	45.0	50.5	53.2	53.2	54.1	54.1	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 10000	37.6	46.8	48.6	55.0	57.8	57.8	58.7	58.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 9000	37.6	47.7	49.5	56.0	57.8	57.8	58.7	58.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 8000	37.6	49.5	51.4	58.7	62.4	62.4	63.3	63.3	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 7000	38.5	51.4	53.2	60.6	64.2	64.2	66.1	66.1	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 6000	38.5	52.3	54.1	61.5	65.1	65.1	67.0	67.0	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 5000	39.4	53.2	56.0	63.3	67.0	67.0	68.8	68.8	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	40.4	54.1	56.0	64.2	67.9	67.9	69.7	69.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4000	45.0	60.6	63.3	71.6	75.2	75.2	77.1	77.1	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500	45.0	61.5	64.2	73.4	77.1	77.1	79.0	79.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	47.7	65.1	67.9	77.1	80.7	80.7	84.4	84.4	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2500	47.7	65.1	67.9	77.1	80.7	80.7	84.4	84.4	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2000	48.6	67.9	70.6	79.8	83.5	83.5	87.2	87.2	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1800	48.6	67.9	70.6	79.8	83.5	83.5	87.2	87.2	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1600	48.6	67.9	70.6	79.8	83.5	83.5	87.2	87.2	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1400	48.6	67.9	70.6	79.8	83.5	83.5	87.2	87.2	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1200	48.6	67.9	70.6	79.8	83.5	83.5	87.2	87.2	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1000	49.5	68.8	71.6	80.7	86.2	86.2	89.9	89.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 900	49.5	68.8	71.6	80.7	86.2	86.2	89.9	89.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 800	49.5	68.8	71.6	80.7	86.2	86.2	89.9	89.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 700	49.5	68.8	71.6	80.7	86.2	86.2	89.9	89.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 600	49.5	68.8	71.6	80.7	86.2	86.2	89.9	89.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 500	49.5	68.8	71.6	80.7	86.2	86.2	89.9	89.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 400	49.5	68.8	71.6	80.7	86.2	86.2	89.9	89.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 300	49.5	68.8	71.6	80.7	86.2	86.2	89.9	89.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 200	49.5	68.8	71.6	80.7	86.2	86.2	89.9	89.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 100	49.5	68.8	71.6	80.7	86.2	86.2	89.9	89.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 0	49.5	68.8	71.6	80.7	86.2	86.2	89.9	89.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7

TOTAL NUMBER OF OBSERVATIONS 179

CLIMATOLGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 33°  
STATION

FINTHEN AAF, DL

73-81

MAY  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6600-2630  
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	25.7	31.9	33.1	37.1	39.2	39.2	39.5	39.9	39.9	40.3	40.3	40.5	40.5	40.5	40.5
≥ 18000	25.7	38.2	39.7	44.1	46.2	46.2	47.1	47.5	47.5	47.9	47.9	48.1	48.1	48.1	48.1
≥ 16000	29.5	33.8	40.5	44.9	47.1	47.1	48.1	48.5	48.5	48.9	48.9	49.0	49.0	49.0	49.0
≥ 14000	30.0	39.4	41.1	45.4	47.9	47.9	48.9	49.2	49.2	49.6	49.6	49.8	49.8	49.8	49.8
≥ 12000	30.6	39.9	41.3	46.4	48.9	48.9	50.0	50.4	50.4	50.8	50.8	51.0	51.0	51.0	51.0
≥ 10000	32.7	43.3	45.4	51.1	53.8	53.8	55.5	55.9	55.9	56.3	56.3	56.5	56.5	56.5	56.5
≥ 9000	33.3	44.9	47.1	52.9	55.7	55.9	57.6	58.2	58.2	58.6	58.6	58.7	58.7	58.7	58.7
≥ 8000	35.6	48.1	51.2	57.2	60.6	60.8	62.5	63.7	63.7	64.1	64.1	64.3	64.3	64.3	64.3
≥ 7000	37.5	50.6	52.7	59.7	63.3	63.7	66.2	67.3	67.3	67.7	67.7	67.9	67.9	67.9	67.9
≥ 6000	37.5	50.6	52.7	59.9	63.5	63.9	66.3	67.5	67.5	67.9	67.9	68.1	68.1	68.1	68.1
≥ 5000	39.4	51.9	54.2	61.4	65.4	66.0	68.4	69.6	69.6	70.0	70.0	70.2	70.2	70.2	70.2
≥ 4500	40.1	54.0	56.3	63.7	67.7	68.3	70.9	72.1	72.1	72.4	72.4	72.6	72.6	72.6	72.6
≥ 4000	42.9	56.8	59.3	66.9	71.3	71.9	74.5	75.7	75.9	76.2	76.2	76.4	76.4	76.4	76.4
≥ 3500	45.6	60.1	62.5	70.7	75.3	75.9	78.5	79.7	79.8	80.2	80.2	80.4	80.4	80.4	80.4
≥ 3000	47.1	62.4	65.2	74.0	79.7	80.2	82.9	84.2	84.4	85.2	85.2	85.4	85.4	85.4	85.4
≥ 2500	47.3	63.1	66.0	75.5	81.2	81.7	84.4	85.7	85.9	86.7	86.7	86.9	86.9	86.9	86.9
≥ 2000	48.3	64.4	67.7	78.1	84.4	85.0	87.6	89.0	89.3	89.9	89.9	90.1	90.1	90.1	90.1
≥ 1800	48.3	64.4	67.7	78.3	84.6	85.2	88.7	89.4	89.5	90.3	90.3	90.5	90.5	90.5	90.5
≥ 1500	49.1	66.3	69.6	80.4	86.9	87.6	90.5	91.8	92.0	92.8	92.8	93.2	93.2	93.2	93.2
≥ 1200	49.0	66.5	69.8	80.6	87.3	88.4	91.6	93.5	93.7	94.5	94.5	94.9	94.9	94.9	94.9
≥ 1000	49.0	66.5	69.8	80.6	87.3	88.4	91.6	93.7	93.9	94.9	94.9	95.2	95.2	95.2	95.2
≥ 900	49.0	66.5	69.8	80.6	87.3	88.4	91.6	93.9	94.1	95.1	95.1	95.4	95.6	95.6	95.6
≥ 800	49.0	66.5	69.8	80.8	87.5	88.6	91.8	94.7	94.9	96.2	96.2	96.6	96.8	96.8	96.8
≥ 700	49.0	66.5	69.8	80.8	87.5	88.6	92.0	94.9	95.1	96.4	96.4	96.8	97.0	97.0	97.0
≥ 600	49.0	66.5	69.8	80.8	87.5	88.6	92.0	94.9	95.1	96.4	96.4	96.8	97.0	97.0	97.0
≥ 500	49.0	66.5	69.8	80.8	87.5	88.6	92.0	94.9	95.2	96.6	96.6	97.0	97.1	97.1	97.1
≥ 400	49.0	66.5	69.8	80.8	87.5	88.6	92.0	94.9	95.2	96.8	96.8	97.1	97.3	97.5	97.5
≥ 300	49.0	66.5	69.8	80.8	87.5	88.6	92.0	94.9	95.2	97.0	97.0	97.3	97.5	97.7	97.7
≥ 200	49.0	66.5	69.8	80.8	87.5	88.6	92.0	94.9	95.2	97.0	97.0	97.3	97.5	97.7	97.7
≥ 100	49.0	66.5	69.8	80.8	87.5	88.6	92.0	94.9	95.2	97.0	97.0	97.3	97.5	97.7	97.7
≥ 50	49.0	66.5	69.8	80.8	87.5	88.6	92.0	94.9	95.2	97.0	97.0	97.3	97.5	97.7	97.7
≥ 20	49.0	66.5	69.8	80.8	87.5	88.6	92.0	94.9	95.2	97.0	97.0	97.3	97.5	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 526

CLIMATOLGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

108335 FINTHEN AAF, DL

73-81

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1950-1954

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	25.1	33.8	34.6	38.1	40.1	40.1	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 20000	27.6	38.3	39.7	43.1	45.7	45.7	45.8	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 18000	27.8	38.8	39.7	44.0	46.9	47.1	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 16000	27.8	38.8	39.7	44.0	46.9	47.1	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000	28.5	39.0	39.9	44.2	47.1	47.5	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 12000	28.5	40.1	41.0	45.5	48.7	48.9	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 10000	31.4	43.9	45.3	50.7	54.0	54.2	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 9000	31.9	45.3	46.9	52.3	55.6	55.6	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 8000	32.7	46.8	49.1	57.0	60.6	60.8	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 7000	33.0	47.7	50.0	57.9	61.9	62.1	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 6000	33.2	47.8	50.2	58.3	62.3	62.5	63.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 5000	33.9	48.7	51.1	59.6	63.7	63.9	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 4500	34.3	49.1	51.8	60.8	65.3	65.5	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 4000	37.0	53.4	56.7	66.6	71.1	71.3	71.8	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 3500	39.5	57.4	60.8	71.7	76.5	76.7	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3000	44.9	65.3	69.0	80.1	85.2	85.4	85.9	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2500	45.3	66.1	69.7	81.0	86.1	86.3	86.8	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2000	46.4	68.4	72.4	84.1	89.5	89.9	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	46.6	69.1	73.1	85.2	90.6	91.0	91.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1600	47.5	70.8	74.7	87.4	92.8	93.1	93.9	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1400	47.5	70.8	74.7	87.4	93.7	94.0	94.8	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200	47.5	70.8	74.7	87.9	94.4	94.8	95.7	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000	47.5	70.8	74.7	88.3	94.8	95.1	96.0	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	47.5	70.8	74.7	88.3	94.8	95.1	96.0	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	47.5	70.8	74.7	88.3	94.8	95.1	96.0	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	47.5	70.8	74.7	88.3	94.8	95.1	96.0	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	47.5	70.8	74.7	88.3	94.8	95.1	96.0	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500	47.5	70.8	74.7	88.3	94.8	95.1	96.0	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400	47.5	70.8	74.7	88.3	94.8	95.1	96.0	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 300	47.5	70.8	74.7	88.3	94.8	95.1	96.0	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 200	47.5	70.8	74.7	88.3	94.8	95.1	96.0	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 100	47.5	70.8	74.7	88.3	94.8	95.1	96.0	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 0	47.5	70.8	74.7	88.3	94.8	95.1	96.0	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 554

JOINT PAL CLIMATOLOGY BRANCH  
AFETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

10 335  
STATION

FINTHEN AAF, DL

STATION NAME

73-81

YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-1400  
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO. CEILING	37.1	37.3	37.3	38.6	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥20000	34.2	46.2	46.2	48.6	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥18000	34.2	46.2	46.4	48.9	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥16000	34.2	46.2	46.4	48.9	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥14000	34.4	46.6	46.7	49.3	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥12000	35.0	47.1	47.3	50.2	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥10000	37.0	50.0	50.2	53.3	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥9000	38.2	52.2	52.4	55.4	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥8000	40.9	56.5	56.9	61.1	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥7000	43.3	59.1	59.4	63.9	65.0	65.2	65.2	65.2	65.2	65.2	65.6	65.6	65.6	65.6	65.6	65.6
≥6000	43.7	59.4	59.8	64.5	65.6	65.8	65.9	65.9	65.9	65.9	66.3	66.3	66.3	66.3	66.3	66.3
≥5000	44.6	61.4	62.0	66.8	67.9	68.1	68.3	68.3	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7
≥4500	46.6	64.3	65.0	70.3	71.4	71.6	71.7	71.7	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥4000	47.8	67.6	68.7	75.0	76.3	76.4	76.6	76.6	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥3500	52.2	73.6	74.6	81.0	82.2	82.4	82.6	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥3000	57.1	79.9	81.0	88.4	89.9	90.0	90.6	90.6	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥2500	58.3	81.7	82.8	90.2	91.7	91.8	92.4	92.4	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥2000	59.1	83.2	84.6	92.4	94.6	94.7	95.5	95.5	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥1800	59.1	83.3	84.8	92.8	94.9	95.1	95.8	95.8	95.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥1500	59.4	84.2	85.7	93.7	95.8	96.0	96.7	96.9	96.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥1200	59.4	84.2	85.7	93.7	96.2	96.4	97.1	97.3	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥1000	59.6	84.4	85.9	94.0	96.7	96.9	97.6	98.0	98.2	98.9	99.1	99.1	99.1	99.1	99.1	99.1
≥900	59.6	84.4	85.9	94.0	96.7	96.9	97.6	98.0	98.2	98.9	99.1	99.1	99.1	99.1	99.1	99.1
≥800	59.6	84.4	85.9	94.0	96.7	96.9	97.6	98.0	98.2	98.9	99.1	99.1	99.1	99.1	99.3	99.3
≥700	59.6	84.4	85.9	94.0	96.7	96.9	97.6	98.0	98.2	99.1	99.3	99.3	99.3	99.3	99.5	99.5
≥600	59.6	84.4	85.9	94.0	96.7	97.3	98.0	98.4	98.6	99.5	99.6	99.6	99.6	99.8	100.0	100.0
≥500	59.6	84.4	85.9	94.0	96.7	97.3	98.0	98.4	98.6	99.5	99.6	99.6	99.6	99.8	100.0	100.0
≥400	59.6	84.4	85.9	94.0	96.7	97.3	98.0	98.4	98.6	99.5	99.6	99.6	99.6	99.8	100.0	100.0
≥300	59.6	84.4	85.9	94.0	96.7	97.3	98.0	98.4	98.6	99.5	99.6	99.6	99.6	99.8	100.0	100.0
≥200	59.6	84.4	85.9	94.0	96.7	97.3	98.0	98.4	98.6	99.5	99.6	99.6	99.6	99.8	100.0	100.0
≥100	59.6	84.4	85.9	94.0	96.7	97.3	98.0	98.4	98.6	99.5	99.6	99.6	99.6	99.8	100.0	100.0
≥0	59.6	84.4	85.9	94.0	96.7	97.3	98.0	98.4	98.6	99.5	99.6	99.6	99.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 552

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

17335 FINTHEN AAF, DL

73-61

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	32.6	39.9	39.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 20000	40.1	52.0	52.0	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 18000	40.1	52.0	52.0	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 16000	40.1	52.0	52.0	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 14000	40.1	52.4	52.4	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 12000	40.5	52.9	53.1	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	42.9	56.7	56.9	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 9000	43.9	58.0	58.2	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 8000	45.1	62.3	63.1	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 7000	47.3	63.7	64.6	68.4	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 6000	47.3	63.6	64.6	68.5	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	49.2	66.5	67.6	71.8	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 4500	49.9	68.2	69.3	73.4	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	53.9	74.0	75.1	79.5	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 3500	55.3	79.1	80.4	84.9	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3000	50.6	84.4	85.7	91.0	91.9	91.9	91.9	91.9	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2500	61.4	86.3	87.6	93.0	94.2	94.2	94.2	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2000	62.1	87.8	89.3	95.5	97.0	97.0	97.0	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1800	62.1	87.8	89.3	95.5	97.0	97.0	97.0	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1600	52.7	88.3	89.8	96.0	97.6	97.7	97.7	97.9	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9
≥ 1400	52.7	88.3	89.8	96.0	97.6	97.7	97.7	97.9	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9
≥ 1200	62.9	88.5	90.0	96.2	98.1	98.3	98.3	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 1000	62.9	88.5	90.0	96.2	98.1	98.3	98.3	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 900	62.9	88.5	90.0	96.2	98.1	98.3	98.3	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 800	62.9	88.5	90.0	96.2	98.1	98.3	98.3	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 700	62.9	88.5	90.0	96.2	98.1	98.3	98.3	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 600	62.9	88.5	90.0	96.2	98.1	98.3	98.3	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 500	62.9	88.5	90.0	96.2	98.1	98.3	98.3	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 400	62.9	88.5	90.0	96.2	98.1	98.3	98.3	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 300	62.9	88.5	90.0	96.2	98.1	98.3	98.3	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 200	62.9	88.5	90.0	96.2	98.1	98.3	98.3	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 100	62.9	88.5	90.0	96.2	98.1	98.3	98.3	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 0	62.9	88.5	90.0	96.2	98.1	98.3	98.3	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 531

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10-335  
STATION

FINTHEN AAF, DL

73-81

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	38.4	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 20000	46.1	57.4	57.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 18000	46.6	58.0	58.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 16000	46.6	58.0	58.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 14000	46.6	58.0	58.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 12000	47.0	59.1	59.1	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 10000	49.3	61.8	61.8	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 9000	49.9	62.6	62.6	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 8000	51.6	67.8	67.8	70.6	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000	52.6	69.1	69.5	73.1	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 6000	53.2	69.7	70.1	73.7	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 5000	55.1	72.4	72.9	76.4	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4500	56.4	75.4	75.8	79.5	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	61.2	81.2	81.9	85.6	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3500	62.8	84.1	85.1	88.7	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3000	66.8	88.9	89.8	94.4	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2500	66.8	89.6	90.4	95.0	95.8	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2000	67.4	90.2	91.2	95.8	96.9	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1800	67.4	90.2	91.2	96.0	97.1	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	67.4	90.4	91.4	96.2	97.3	97.9	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 1200	67.4	90.4	91.4	96.2	97.3	98.1	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.8	99.8
≥ 1000	67.4	90.4	91.4	96.2	97.3	98.1	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.8	99.8
≥ 900	67.4	90.4	91.4	96.2	97.3	98.1	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.8	99.8
≥ 800	67.4	90.4	91.4	96.5	97.5	98.3	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 700	67.4	90.4	91.4	96.5	97.5	98.3	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 600	67.4	90.4	91.4	96.5	97.5	98.3	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 500	67.4	90.4	91.4	96.5	97.5	98.3	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 400	67.4	90.4	91.4	96.5	97.5	98.3	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 300	67.4	90.4	91.4	96.5	97.5	98.3	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 200	67.4	90.4	91.4	96.5	97.5	98.3	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 100	67.4	90.4	91.4	96.5	97.5	98.3	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 0	67.4	90.4	91.4	96.5	97.5	98.3	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 479



GLOBAL CLIMATOLOGY BRANCH  
 CLAFETAC  
 AIR WEATHER SERVICE/MAC

USE IN COMBINATION  
 SEE FIRST PAGE

# CEILING VERSUS VISIBILITY

10735  
 STATION

FINTHEN AAF, DL  
 STATION NAME

73-81  
 YEARS

MAY  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	32.4	37.5	37.9	40.1	41.0	41.0	41.1	41.2	41.3	41.3	41.7	41.4	41.4	41.4	41.4	41.4
≥ 20000	35.1	45.9	46.5	49.4	50.6	50.6	50.9	51.0	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2
≥ 18000	35.4	46.3	46.9	49.9	51.3	51.3	51.6	51.7	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9
≥ 16000	35.4	46.3	46.9	49.9	51.3	51.3	51.6	51.7	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9
≥ 14000	35.6	46.6	47.2	50.4	51.7	51.8	52.1	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	36.3	47.4	48.1	51.5	53.0	53.1	53.4	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 10000	36.3	50.7	51.5	55.5	57.0	57.1	57.5	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 9000	39.1	52.2	53.0	57.1	58.6	58.7	59.2	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 8000	41.1	55.7	56.9	62.2	63.9	64.1	64.5	64.8	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0
≥ 7000	42.3	57.5	58.7	64.2	66.3	66.4	67.1	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 6000	42.5	57.8	59.0	64.6	66.7	66.8	67.5	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 5000	43.3	59.6	61.0	66.8	69.0	69.2	69.9	70.2	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.4
≥ 4500	45.0	61.5	63.1	69.1	71.3	71.5	72.3	72.6	72.6	72.7	72.7	72.8	72.8	72.8	72.8	72.8
≥ 4000	42.1	66.0	67.8	74.3	76.7	77.0	77.7	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 3500	50.7	70.2	72.5	79.0	81.5	81.7	82.5	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3000	54.7	75.5	77.5	85.1	87.9	88.2	89.1	89.5	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2500	55.3	76.6	78.6	86.4	89.3	89.6	90.5	90.9	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4
≥ 2000	56.1	78.1	80.4	88.7	92.0	92.4	93.4	93.8	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1800	56.1	78.3	80.6	89.1	92.4	92.7	93.8	94.3	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8
≥ 1500	56.7	79.3	81.6	90.2	93.6	94.0	95.1	95.6	95.8	96.1	96.1	96.2	96.3	96.4	96.4	96.4
≥ 1200	56.7	79.4	81.6	90.3	94.1	94.6	95.8	96.4	96.8	97.1	97.1	97.2	97.2	97.3	97.3	97.3
≥ 1000	56.8	79.5	81.8	90.5	94.4	94.9	96.1	96.9	97.3	97.7	97.7	97.8	97.8	97.9	97.9	97.9
≥ 900	56.8	79.5	81.8	90.5	94.4	94.9	96.1	97.0	97.3	97.7	97.7	97.8	97.9	98.0	98.0	98.0
≥ 800	56.8	79.5	81.8	90.7	94.5	95.1	96.3	97.3	97.7	98.2	98.3	98.3	98.4	98.6	98.6	98.6
≥ 700	56.8	79.5	81.8	90.7	94.5	95.1	96.3	97.4	97.7	98.3	98.4	98.4	98.5	98.7	98.7	98.7
≥ 600	56.8	79.5	81.8	90.7	94.5	95.1	96.4	97.5	97.8	98.4	98.4	98.5	98.7	98.9	98.9	98.9
≥ 500	56.8	79.5	81.8	90.7	94.5	95.1	96.4	97.5	97.9	98.5	98.5	98.7	98.8	99.0	99.1	99.1
≥ 400	56.8	79.5	81.8	90.7	94.5	95.1	96.4	97.5	97.9	98.5	98.5	98.7	98.8	99.0	99.1	99.1
≥ 300	56.8	79.5	81.8	90.7	94.5	95.1	96.4	97.5	97.9	98.6	98.7	98.8	99.0	99.3	99.3	99.3
≥ 200	56.8	79.5	81.8	90.7	94.5	95.1	96.4	97.5	97.9	98.6	98.7	98.8	99.1	99.3	99.6	99.6
≥ 100	56.8	79.5	81.8	90.7	94.6	95.2	96.4	97.5	97.9	98.7	98.7	98.9	99.1	99.4	99.7	99.9
≥ 0	56.8	79.5	81.8	90.7	94.6	95.2	96.4	97.5	97.9	98.7	98.7	98.9	99.1	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2751

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1:33<sup>E</sup> FINTHEN AAF, DL

73,75-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	26.4	30.6	31.4	36.4	39.7	40.5	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	27.3	31.4	32.2	37.2	41.3	42.1	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 18000	28.1	32.2	33.1	38.0	42.1	43.0	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 16000	28.1	32.2	33.1	38.8	43.0	43.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 14000	28.9	33.1	33.9	40.5	44.6	45.5	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 12000	28.9	33.1	33.9	40.5	44.6	45.5	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 10000	30.6	36.4	37.2	43.8	47.9	48.8	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 9500	31.4	37.2	38.0	45.5	50.4	51.2	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 8000	33.9	41.3	42.1	49.6	54.5	55.4	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 7000	36.4	43.8	45.5	52.9	57.9	58.7	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 6000	37.2	44.6	46.3	53.7	58.7	59.5	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 5000	41.3	46.3	50.4	58.7	63.6	64.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 4500	43.0	51.2	52.9	62.0	66.9	68.6	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	45.5	54.5	56.2	65.3	71.9	74.4	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3500	47.1	57.9	59.5	68.6	75.2	77.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000	50.4	62.0	63.6	73.6	80.2	82.6	84.3	84.3	84.3	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2500	51.2	63.6	65.3	75.2	81.8	84.3	86.0	86.0	86.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 2000	53.7	66.9	68.6	80.2	86.8	90.9	92.6	92.6	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	53.7	66.9	68.6	80.2	86.8	90.9	92.6	92.6	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1600	53.7	67.8	69.4	81.8	87.6	91.7	93.4	93.4	93.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1400	53.7	67.8	69.4	81.8	88.4	92.6	94.2	94.2	95.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	53.7	67.8	69.4	81.8	88.4	92.6	94.2	94.2	95.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	53.7	67.8	69.4	81.8	88.4	92.6	94.2	94.2	95.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	53.7	67.8	69.4	81.8	88.4	92.6	94.2	94.2	95.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	53.7	67.8	69.4	81.8	88.4	92.6	94.2	94.2	95.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	53.7	67.8	69.4	81.8	88.4	92.6	94.2	94.2	95.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	53.7	67.8	69.4	82.6	89.3	93.4	95.0	95.0	95.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	53.7	67.8	69.4	82.6	89.3	93.4	95.0	95.0	95.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	53.7	67.8	69.4	82.6	89.3	93.4	95.0	95.0	95.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	53.7	67.8	69.4	82.6	89.3	93.4	95.0	95.0	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	53.7	67.8	69.4	82.6	89.3	93.4	95.0	95.0	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	53.7	67.8	69.4	82.6	89.3	93.4	95.0	95.0	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 50	53.7	67.8	69.4	82.6	89.3	93.4	95.0	95.0	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 121

GL BAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 6335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-61  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	24.7	32.7	34.0	37.6	41.7	42.1	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 20000	26.2	34.6	36.3	40.0	44.7	45.0	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 18000	26.4	34.8	36.4	40.2	44.9	45.2	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 16000	26.4	34.8	36.4	40.2	44.9	45.2	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 14000	27.1	35.5	37.2	40.9	45.6	46.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 12000	27.7	36.3	37.9	41.7	46.4	46.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 10000	29.7	38.7	40.6	44.5	49.3	49.9	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 9000	31.2	40.5	42.6	46.5	51.6	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 8000	35.3	45.4	47.9	52.5	58.3	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 7000	37.2	47.5	49.9	55.0	61.1	62.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 6000	37.6	47.9	50.3	55.7	62.2	63.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 5000	39.4	50.1	52.5	58.1	65.0	66.2	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	41.1	52.7	55.5	61.9	69.0	70.5	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	44.1	57.0	60.0	66.7	74.6	76.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3500	47.3	61.3	64.3	71.4	79.3	81.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	49.2	64.5	67.5	75.1	83.4	85.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2500	50.1	65.8	69.2	76.8	85.4	87.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000	51.0	67.9	71.4	80.0	89.3	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	51.1	67.9	71.4	80.0	89.3	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	52.1	69.3	73.1	81.7	91.0	93.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	52.7	70.3	74.3	82.8	92.1	94.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	52.9	70.5	74.2	83.0	92.3	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	52.9	70.5	74.2	83.0	92.3	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	52.9	70.5	74.2	83.0	92.3	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	52.9	70.5	74.2	83.0	92.3	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	52.9	70.5	74.2	83.0	92.3	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	52.9	70.5	74.2	83.0	92.3	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	52.9	70.5	74.2	83.0	92.3	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	52.9	70.5	74.2	83.0	92.3	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	52.9	70.5	74.2	83.0	92.3	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	52.9	70.5	74.2	83.0	92.3	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 0	52.9	70.5	74.2	83.0	92.3	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS 535

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

10335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-61  
YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0922-1122  
DATE

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	24.4	32.1	33.9	39.4	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥20000	27.1	35.3	37.3	43.2	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥18000	27.8	36.2	38.2	44.1	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥16000	27.8	36.2	38.2	44.1	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥14000	28.7	36.7	38.7	44.6	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥12000	29.2	38.5	40.5	46.4	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥10000	31.2	41.4	43.4	49.5	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥9000	31.9	42.1	44.1	50.5	52.0	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥8000	35.1	46.4	48.9	55.4	57.7	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥7000	37.1	49.1	51.6	58.8	61.1	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥6000	37.5	49.6	52.2	59.3	61.6	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥5000	39.4	52.2	54.7	62.2	64.5	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥4500	40.3	53.0	55.6	63.4	66.3	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥4000	44.8	58.2	61.1	70.6	73.8	74.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥3500	48.4	62.9	65.9	76.0	79.2	80.5	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥3000	52.5	68.3	71.5	82.1	86.0	87.3	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥2500	54.3	70.1	73.3	84.6	88.7	90.1	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥2000	56.1	72.4	75.6	88.0	92.7	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥1800	56.3	72.8	76.1	88.5	93.2	94.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥1500	56.3	73.7	76.9	89.6	94.3	96.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥1200	57.1	74.0	77.2	90.3	95.2	97.1	98.0	98.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥1000	57.0	74.3	77.2	90.3	95.2	97.1	98.0	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥900	57.0	74.0	77.2	90.3	95.2	97.1	98.0	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥800	57.0	74.0	77.2	90.3	95.2	97.1	98.0	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥700	57.2	74.2	77.4	90.7	95.5	97.5	98.4	98.9	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥600	57.2	74.2	77.4	90.7	95.5	97.5	98.4	98.9	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥500	57.2	74.2	77.4	90.7	95.5	97.5	98.4	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥400	57.2	74.2	77.4	90.7	95.5	97.5	98.4	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥300	57.2	74.2	77.4	90.7	95.5	97.5	98.4	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥200	57.2	74.2	77.4	90.7	95.5	97.5	98.4	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥100	57.2	74.2	77.4	90.7	95.5	97.5	98.4	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥0	57.2	74.2	77.4	90.7	95.5	97.5	98.4	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 558

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 335 FINTHEN AAF, DL

73-61

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	25.7	32.7	32.7	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 20000	29.3	37.7	37.9	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 18000	29.3	37.9	38.1	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 16000	29.3	37.9	38.1	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 14000	29.3	37.9	38.1	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 12000	29.3	37.9	38.1	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 10000	32.3	41.8	42.4	44.3	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 9000	33.3	43.1	43.6	45.8	46.5	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 8000	36.3	46.5	47.6	50.3	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 7000	37.5	48.1	49.2	52.2	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 6000	38.1	48.8	49.9	53.0	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 5000	41.5	52.8	53.9	57.8	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 4500	44.5	56.4	57.5	61.9	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 4000	52.6	66.2	67.7	72.5	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3500	58.3	73.6	75.2	80.3	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3000	66.1	82.4	84.2	90.3	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2500	66.4	82.9	84.7	91.6	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2000	68.6	86.0	87.8	94.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	68.8	86.4	88.2	95.2	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1600	68.9	86.5	88.3	95.5	97.8	97.8	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1400	68.9	86.5	88.3	95.7	98.2	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	69.1	86.7	88.5	95.9	98.7	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	69.1	86.7	88.5	95.9	98.7	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	69.1	86.7	88.5	95.9	98.7	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	69.1	86.7	88.5	95.9	98.7	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	69.1	86.7	88.5	96.2	99.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	69.1	86.7	88.5	96.2	99.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	69.1	86.7	88.5	96.2	99.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	69.1	86.7	88.5	96.2	99.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	69.1	86.7	88.5	96.2	99.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	69.1	86.7	88.5	96.2	99.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	69.1	86.7	88.5	96.2	99.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	69.1	86.7	88.5	96.2	99.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 557

CLIPAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

10-335 FINTHEN AAF, DL

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.01	≥0
NO CEILING	26.1	32.0	32.5	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 20000	32.3	36.7	39.4	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 18000	32.9	39.4	40.2	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 16000	32.9	39.4	40.2	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 14000	33.1	39.6	40.4	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 12000	33.5	41.1	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 10000	40.2	47.9	49.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 9000	42.1	49.9	50.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 8000	46.5	55.9	56.6	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 7000	49.2	58.5	59.3	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 6000	49.9	58.9	59.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 5000	52.9	62.4	63.9	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4500	54.0	64.9	66.0	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4000	62.2	74.2	75.5	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	69.2	81.7	82.1	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	74.0	87.9	89.7	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2500	75.0	89.0	90.8	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2000	75.1	91.0	92.9	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1800	75.1	91.0	93.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1600	75.1	91.0	93.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1400	75.1	91.0	93.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	75.1	91.0	93.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	75.1	91.0	93.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	75.1	91.0	93.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	75.1	91.0	93.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	75.1	91.0	93.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	75.1	91.0	93.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	75.1	91.0	93.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	75.1	91.0	93.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	75.1	91.0	93.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200	75.1	91.0	93.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	75.1	91.0	93.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0	75.1	91.0	93.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 535

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10 33° FINNEN AAF, DL

73-81

JUN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. OF OBS.	42.2	41.5	42.5	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥20000	40.0	50.3	51.4	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥18000	40.0	50.3	51.4	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥16000	40.0	50.3	51.4	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥14000	40.2	50.5	51.6	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥12000	40.2	50.5	51.6	52.5	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥10000	43.4	55.1	56.2	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥8000	44.9	56.4	58.1	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥6000	61.2	64.6	66.3	67.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥5000	54.0	67.6	69.3	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥4500	54.9	63.7	70.4	71.7	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥4000	55.6	70.6	72.8	74.1	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥3500	56.1	72.6	74.7	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥3000	54.3	80.1	82.5	85.3	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥2500	69.0	84.4	86.8	89.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥2000	71.3	89.2	91.5	95.5	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥1500	71.7	90.1	92.4	96.8	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥1000	72.1	90.5	92.9	97.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥900	72.1	90.5	92.9	97.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥800	72.1	90.5	93.3	98.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥700	72.1	90.7	93.5	98.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥600	72.1	90.7	93.5	98.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥500	72.1	90.7	93.5	98.3	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	72.1	90.7	93.5	98.3	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	72.1	90.7	93.5	98.3	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	72.1	90.7	93.5	98.3	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	72.1	90.7	93.5	98.3	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥50	72.1	90.7	93.5	98.3	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 463

JOINT CLIMATELOGY BRANCH  
AFETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 10-330 FINNEN AAF, DL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING ≥ 20000	26.4	33.8	34.7	37.3	38.3	38.5	38.6	38.6	39.6	38.6	39.6	39.5	39.6	39.6	39.5	36.6
≥ 18000	30.5	30.6	39.3	42.5	43.8	43.9	44.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 16000	30.9	39.1	40.2	42.9	44.2	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 14000	30.3	39.1	40.2	43.0	44.2	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 12000	31.1	39.4	40.6	43.4	44.6	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 10000	31.7	40.3	41.5	44.3	45.6	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 8000	35.7	44.3	45.8	48.9	50.6	50.7	50.9	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 6000	36.3	45.7	47.1	50.5	52.3	52.6	52.8	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 4000	40.2	50.9	52.5	56.4	58.5	58.6	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 2000	42.3	53.3	55.7	59.1	61.3	61.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 1000	42.3	53.9	55.6	59.8	62.0	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 500	43.3	56.8	58.6	63.3	65.7	66.1	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 400	47.1	59.1	61.1	66.1	68.8	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 300	53.1	66.2	68.4	74.2	77.2	77.9	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 200	57.2	71.6	73.8	79.9	82.9	83.6	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 100	61.8	77.4	79.8	86.7	90.0	90.6	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5
≥ 50	62.7	78.5	81.1	88.3	91.7	92.5	93.2	93.2	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4
≥ 20	63.7	80.6	83.2	91.0	94.7	95.7	96.4	96.4	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6
≥ 10	64.0	80.8	83.3	91.2	94.9	96.0	96.7	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 5	64.3	81.3	84.1	92.0	95.8	96.9	97.7	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0
≥ 2	64.5	81.6	84.3	92.5	96.4	97.5	98.3	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.8	98.8
≥ 1	64.6	81.8	84.5	92.6	96.6	97.7	98.6	98.7	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ .5	64.6	81.8	84.5	92.6	96.6	97.7	98.7	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ .25	64.6	81.8	84.5	92.6	96.6	97.8	98.7	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ .15	64.6	81.8	84.5	92.8	96.7	97.9	98.8	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ .1	64.6	81.8	84.5	92.8	96.8	97.9	98.9	99.1	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ .05	64.6	81.8	84.5	92.8	96.8	97.9	98.9	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ .025	64.6	81.8	84.5	92.8	96.8	97.9	98.9	99.1	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.9
≥ .01	64.6	81.8	84.5	92.8	96.8	97.9	98.9	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ .005	64.6	81.8	84.5	92.8	96.8	97.9	98.9	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ .002	64.6	81.8	84.5	92.8	96.8	97.9	98.9	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ .001	64.6	81.8	84.5	92.8	96.8	97.9	98.9	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2769



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

17335  
STATION

FINTHEN AAF, DL  
STATION NAME

73,75-77,80-81  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	27.1	38.1	39.9	42.1	44.4	45.2	46.8	48.4	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥20000	29.4	40.5	41.3	44.4	46.8	47.6	49.2	50.8	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥18000	29.4	40.5	41.3	44.4	46.8	47.6	49.2	50.8	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥16000	29.4	40.5	41.3	44.4	46.8	47.6	49.2	50.8	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥14000	29.4	40.5	41.3	44.4	46.8	47.6	49.2	50.8	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥12000	31.7	42.9	43.7	46.8	49.2	50.8	51.6	53.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥10000	32.5	43.7	44.4	46.8	50.8	51.6	53.2	54.8	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥9000	32.5	43.7	44.4	46.8	50.8	51.6	53.2	54.8	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥8000	35.7	48.4	49.2	54.0	57.9	58.7	60.3	62.7	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥7000	38.1	50.8	51.6	57.9	64.3	65.1	66.7	69.0	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥6000	38.1	50.8	51.6	57.9	64.3	65.1	66.7	69.0	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥5000	39.7	54.0	54.8	63.5	69.8	70.6	72.2	74.6	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥4500	42.1	56.3	57.1	66.7	73.0	73.8	75.4	77.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥4000	46.8	61.1	61.9	71.4	77.6	78.6	80.2	82.5	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥3500	46.8	61.9	63.5	73.0	79.4	80.2	81.7	84.1	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥3000	49.2	66.7	69.0	79.4	85.7	86.5	88.1	90.5	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥2500	49.2	67.5	69.8	80.2	86.5	87.3	88.9	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥2000	50.8	69.8	72.2	84.1	90.5	91.3	92.9	95.2	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥1800	51.6	70.6	73.0	84.9	91.3	92.1	93.7	96.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥1500	51.6	71.4	73.8	86.5	92.9	94.4	96.0	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1200	51.6	71.4	73.8	86.5	92.9	94.4	96.0	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1000	51.6	71.4	73.8	86.5	92.9	94.4	96.0	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥900	51.6	71.4	73.8	86.5	92.9	94.4	96.0	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥800	51.6	71.4	73.8	86.5	92.9	94.4	96.0	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥700	51.6	71.4	73.8	86.5	92.9	94.4	96.0	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥600	51.6	71.4	73.8	86.5	92.9	94.4	96.0	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥500	51.6	71.4	73.8	86.5	92.9	94.4	96.0	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	51.6	71.4	73.8	86.5	92.9	94.4	96.0	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	51.6	71.4	73.8	86.5	92.9	94.4	96.0	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	51.6	71.4	73.8	86.5	92.9	94.4	96.0	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	51.6	71.4	73.8	86.5	92.9	94.4	96.0	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	51.6	71.4	73.8	86.5	92.9	94.4	96.0	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 126

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 335 FINTHEN AAF, DL

73-61

JUL

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6600-6800

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING	20.7	26.7	29.5	33.7	37.7	37.7	38.6	39.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	24.8	33.9	34.4	38.9	42.5	43.2	44.1	44.8	45.1	45.1	45.1	45.3	45.3	45.3	45.3	45.3
≥ 18000	25.5	34.5	35.1	39.9	43.5	44.2	45.1	45.8	46.1	46.1	46.1	46.3	46.3	46.3	46.3	46.3
≥ 16000	25.6	34.8	35.3	40.1	43.7	44.4	45.3	46.0	46.3	46.3	46.3	46.5	46.5	46.5	46.5	46.5
≥ 14000	25.6	34.8	35.3	40.1	43.7	44.4	45.3	46.0	46.3	46.3	46.3	46.5	46.5	46.5	46.5	46.5
≥ 12000	26.2	35.3	35.8	40.6	44.2	44.9	45.8	46.5	46.8	46.8	46.8	47.0	47.0	47.0	47.0	47.0
≥ 10000	29.1	38.6	39.1	44.2	48.2	48.9	49.9	50.6	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.1
≥ 9000	29.3	39.4	39.9	45.1	49.1	49.7	50.8	51.5	51.8	51.8	51.8	52.0	52.0	52.0	52.0	52.0
≥ 8000	35.3	47.2	47.8	53.5	58.3	59.4	60.4	61.1	61.4	61.4	61.4	61.6	61.6	61.6	61.6	61.6
≥ 7000	37.1	49.4	50.3	57.3	62.7	63.9	64.9	65.6	65.9	65.9	65.9	66.1	66.1	66.1	66.1	66.1
≥ 6000	37.0	49.7	50.6	58.2	63.5	64.7	65.7	66.4	66.8	66.8	66.8	67.0	67.0	67.0	67.0	67.0
≥ 5000	47.3	54.9	56.1	64.7	70.4	71.8	73.0	73.7	74.0	74.0	74.0	74.2	74.2	74.2	74.2	74.2
≥ 4500	41.3	56.8	58.2	67.1	72.8	74.2	75.4	76.1	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6
≥ 4000	45.9	61.6	63.7	73.1	79.2	80.6	81.9	82.6	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1
≥ 3500	47.2	63.2	66.1	75.9	81.9	83.3	84.7	85.4	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9
≥ 3000	47.5	63.9	67.6	79.7	86.4	87.8	89.2	89.8	90.2	90.2	90.2	90.4	90.4	90.4	90.4	90.4
≥ 2500	48.2	65.1	68.8	81.1	88.3	89.8	91.2	91.9	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4
≥ 2000	49.4	67.0	70.9	84.5	92.1	93.8	95.5	96.2	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7
≥ 1800	50.3	67.8	71.8	85.4	92.9	94.7	96.4	97.1	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6
≥ 1500	50.3	67.8	71.9	85.5	93.3	95.0	96.7	97.4	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9
≥ 1200	50.3	67.8	71.9	85.7	93.5	95.2	97.1	97.8	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3
≥ 1000	50.3	68.0	72.3	86.1	93.8	95.5	97.8	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0
≥ 900	50.3	68.0	72.3	86.1	93.8	95.5	97.8	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0
≥ 800	50.3	68.0	72.3	86.1	93.8	95.5	97.8	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0
≥ 700	50.3	68.0	72.3	86.1	93.8	95.5	97.8	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0
≥ 600	50.3	68.0	72.3	86.1	93.8	95.5	97.8	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0
≥ 500	50.3	68.0	72.3	86.1	93.8	95.5	97.8	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0
≥ 400	50.3	68.0	72.3	86.1	93.8	95.5	97.8	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0
≥ 300	50.3	68.0	72.3	86.1	93.8	95.5	97.8	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0
≥ 200	50.3	68.0	72.3	86.1	93.8	95.5	97.8	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0
≥ 100	50.3	68.0	72.3	86.1	93.8	95.5	97.8	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0
≥ 0	50.3	68.0	72.3	86.1	93.8	95.5	97.8	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 581

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 335 FINTHEN AAF, DL

73-61

JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	22.5	29.0	30.5	35.7	37.5	37.8	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 20000	24.7	31.7	33.2	38.8	41.2	41.5	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 18000	25.1	32.2	33.7	39.5	41.8	42.2	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 16000	25.3	32.2	33.7	39.5	41.8	42.2	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 14000	25.3	32.2	33.7	39.5	41.8	42.2	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 12000	25.7	32.8	34.3	40.2	42.5	42.6	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 10000	28.8	36.3	37.8	44.0	46.3	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 9000	30.2	38.2	39.8	46.0	48.3	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 8000	32.5	43.0	45.0	52.3	55.2	55.5	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 7000	35.7	46.2	48.2	56.3	59.2	59.5	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 6000	35.2	46.8	48.8	57.2	60.0	60.3	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	38.2	49.8	51.8	60.3	64.0	64.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4500	39.5	51.7	53.7	62.3	66.2	66.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	43.5	55.7	58.0	69.5	73.5	73.8	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3500	47.5	61.2	63.5	74.7	78.7	79.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 3000	53.3	68.0	70.7	83.2	88.3	88.7	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	54.8	69.7	72.3	84.8	90.0	90.5	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2000	57.1	73.2	76.0	88.8	94.2	94.7	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800	57.0	73.3	76.2	89.3	94.8	95.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	57.2	73.5	76.5	90.0	95.5	96.0	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	57.2	73.7	76.8	91.0	96.5	97.0	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	57.3	73.8	77.3	91.3	96.8	97.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	57.3	73.8	77.3	91.3	96.8	97.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	57.3	73.8	77.3	91.3	97.0	97.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	57.3	73.8	77.3	91.3	97.0	97.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	57.3	73.8	77.3	91.3	97.0	97.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	57.3	73.8	77.3	91.3	97.0	97.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	57.3	73.8	77.3	91.3	97.0	97.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	57.3	73.8	77.3	91.3	97.0	97.5	99.3	99.5	99.5	99.5	99.5	99.7	99.7	100.0	100.0	100.0
≥ 200	57.3	73.8	77.3	91.3	97.0	97.5	99.3	99.5	99.5	99.5	99.5	99.7	99.7	100.0	100.0	100.0
≥ 100	57.3	73.8	77.3	91.3	97.0	97.5	99.3	99.5	99.5	99.5	99.5	99.7	99.7	100.0	100.0	100.0
≥ 0	57.3	73.8	77.0	91.3	97.0	97.5	99.3	99.5	99.5	99.5	99.5	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 600

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

100335  
STATION

FINTHEN AAF, DL

73-01

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1220-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ 0.1	≥ 0.05	≥ 0
NO CEILING	23.4	30.4	30.9	32.8	33.3	37.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 20000	26.5	34.1	34.9	36.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 18000	27.1	34.9	35.4	37.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 16000	27.1	34.8	35.4	37.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 14000	27.3	34.9	35.6	37.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥ 12000	26.5	36.1	36.9	39.1	41.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 10000	35.7	37.9	38.4	41.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 9000	31.9	45.3	40.9	43.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 8000	37.6	47.1	47.8	50.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 7000	41.1	51.1	51.7	54.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 6000	41.1	51.1	51.7	54.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 5000	44.4	55.2	55.9	58.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 4500	47.6	58.7	59.4	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4000	54.9	66.7	67.6	70.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 3500	61.2	74.2	75.1	79.0	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3000	66.4	82.7	83.7	88.7	90.7	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	69.6	84.4	85.4	90.5	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2000	71.9	87.9	88.9	94.0	96.0	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	71.9	88.5	89.5	94.8	96.8	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	72.2	89.0	90.0	95.5	97.5	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	72.4	89.4	90.3	96.0	98.2	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	72.4	89.4	90.3	96.0	98.2	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	72.4	89.4	90.3	96.0	98.2	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	72.4	89.4	90.3	96.0	98.2	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	72.4	89.4	90.3	96.0	98.2	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	72.4	89.4	90.3	96.0	98.2	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	72.4	89.4	90.3	96.0	98.2	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	72.4	89.4	90.3	96.0	98.2	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	72.4	89.4	90.3	96.0	98.2	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	72.4	89.4	90.3	96.0	98.2	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	72.4	89.4	90.3	96.0	98.2	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	72.4	89.4	90.3	96.0	98.2	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 601

GL 3AL CLIMATOLOGY BRANCH  
USAF ETAC  
AL WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10-335 FINTHEN AAF, DL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

15.0-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	27.6	35.0	35.3	36.5	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 20000	29.7	37.7	38.6	39.9	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 18000	29.9	37.9	38.7	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 16000	29.9	37.9	38.7	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 14000	29.9	37.9	38.7	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 12000	30.9	38.9	39.8	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 10000	33.4	42.3	43.2	44.5	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 9000	35.3	44.5	45.4	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 8000	44.0	54.9	55.8	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 7000	45.1	57.3	58.2	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 6000	46.4	57.8	58.7	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 5000	50.7	63.1	64.0	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 4500	54.3	67.6	68.4	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 4000	60.4	75.4	76.5	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 3500	66.7	83.1	84.6	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000	72.5	91.0	92.5	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2500	73.4	92.5	94.4	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2000	74.6	94.4	95.9	98.1	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800	74.6	94.4	95.9	98.1	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500	75.3	95.1	96.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	75.3	95.1	96.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	75.3	95.1	96.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	75.3	95.1	96.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	75.3	95.1	96.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	75.3	95.1	96.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	75.3	95.1	96.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	75.3	95.1	96.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	75.3	95.1	96.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	75.3	95.1	96.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	75.3	95.1	96.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	75.3	95.1	96.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	75.3	95.1	96.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 586

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 6335 FINTHEN AAF, DL

73-81

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	34.0	41.3	41.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 20000	38.1	47.0	47.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 18000	38.3	47.2	47.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 16000	38.3	47.2	47.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 14000	32.7	47.6	48.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 12000	39.5	49.0	49.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	42.1	52.6	53.4	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 9000	43.7	54.7	55.5	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 8000	51.2	64.6	65.4	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000	54.0	68.0	68.8	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 6000	54.3	68.4	69.2	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 5000	59.3	73.7	74.7	77.9	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	61.3	76.9	77.9	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4000	64.8	81.2	82.8	86.4	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3500	68.8	85.6	87.2	90.7	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3000	71.9	89.5	91.3	95.1	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2500	73.3	91.1	92.9	96.6	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000	74.9	92.9	94.7	98.6	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1800	74.9	92.9	94.7	98.6	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500	74.9	92.9	94.7	98.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	74.9	92.9	94.7	98.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	74.9	92.9	94.7	98.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	74.9	92.9	94.7	98.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	74.9	92.9	94.7	98.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	74.9	92.9	94.7	98.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	74.9	92.9	94.7	98.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	74.9	92.9	94.7	98.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	74.9	92.9	94.7	98.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	74.9	92.9	94.7	98.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	74.9	92.9	94.7	98.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	74.9	92.9	94.7	98.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	74.9	92.9	94.7	98.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 526

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

USE WITH CARE  
SEE FIRST PAGE

# CEILING VERSUS VISIBILITY

1 335 FINTHEN AAF, DL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-24

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	25.5	32.9	33.5	36.5	37.7	37.9	38.3	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 20000	28.9	36.7	37.5	40.7	42.2	42.5	42.9	43.0	43.1	43.1	43.1	43.2	43.2	43.2	43.2	43.2
≥ 18000	28.9	37.2	38.0	41.3	42.8	43.0	43.4	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 16000	28.9	37.2	38.0	41.3	42.8	43.0	43.4	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 14000	29.9	37.3	38.1	41.4	42.9	43.1	43.5	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 12000	29.9	38.3	39.1	42.4	43.9	44.2	44.5	44.7	44.8	44.8	44.8	44.9	44.9	44.9	44.9	44.9
≥ 10000	32.4	41.3	42.2	45.7	47.3	47.6	48.0	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 9000	33.8	43.1	44.0	47.5	49.1	49.4	49.8	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 8000	39.7	50.8	51.8	55.8	57.8	58.1	58.5	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 7000	42.2	53.8	54.9	59.4	61.6	61.9	62.4	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8
≥ 6000	42.5	54.2	55.2	59.9	62.1	62.4	62.9	63.1	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3
≥ 5000	45.9	58.7	59.9	64.9	67.3	67.7	68.2	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 4500	46.2	61.6	62.8	68.0	70.4	70.8	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000	53.2	67.6	69.1	75.0	77.5	78.0	78.5	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3500	57.5	72.6	74.4	80.7	83.4	83.8	84.4	84.6	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8
≥ 3000	62.0	78.2	80.4	87.7	90.8	91.2	91.8	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2500	63.0	79.7	81.9	89.2	92.4	93.0	93.6	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2000	64.7	82.2	84.5	92.3	95.7	96.2	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1800	64.9	82.6	84.8	92.8	96.2	96.7	97.6	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	65.1	82.9	85.2	93.3	96.8	97.4	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	65.2	83.0	85.3	93.7	97.2	97.8	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	65.2	83.1	85.4	93.8	97.3	97.9	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	65.2	83.1	85.4	93.8	97.3	97.9	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	65.2	83.1	85.4	93.8	97.3	98.0	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	65.2	83.1	85.4	93.8	97.3	98.0	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	65.2	83.1	85.4	93.8	97.3	98.0	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	65.2	83.1	85.4	93.8	97.3	98.0	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	65.2	83.1	85.4	93.8	97.3	98.0	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	65.2	83.1	85.4	93.8	97.3	98.0	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	65.2	83.1	85.4	93.8	97.3	98.0	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	65.2	83.1	85.4	93.8	97.3	98.0	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	65.2	83.1	85.4	93.8	97.3	98.0	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 3000

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

118335

FINTHEN AAF, DL

73, 75-77, 80-81

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	32.3	35.2	35.2	41.8	46.7	49.2	49.2	52.5	52.5	53.3	54.9	54.9	54.9	54.9	54.9	55.7
≥ 20000	34.4	37.7	37.7	44.3	49.2	51.6	52.5	55.7	55.7	56.6	58.2	58.2	58.2	58.2	58.2	59.0
≥ 18000	34.4	37.7	37.7	44.3	49.2	51.6	52.5	55.7	55.7	56.6	58.2	58.2	58.2	58.2	58.2	59.0
≥ 16000	35.2	38.5	38.5	45.1	50.0	52.5	53.3	56.6	56.6	57.4	59.0	59.0	59.0	59.0	59.0	59.8
≥ 14000	35.2	38.5	38.5	45.1	50.0	53.3	54.1	57.4	57.4	58.2	59.8	59.8	59.8	59.8	59.8	60.7
≥ 12000	36.1	39.3	39.3	46.7	51.6	54.9	55.7	59.0	59.0	59.8	61.5	61.5	61.5	61.5	61.5	62.3
≥ 10000	36.9	41.8	41.8	50.0	54.9	59.0	59.8	63.1	63.1	63.9	65.6	65.6	65.6	65.6	65.6	66.4
≥ 9000	37.7	42.6	42.6	50.8	55.7	59.8	61.5	64.6	64.6	65.6	67.2	67.2	67.2	67.2	67.2	68.0
≥ 8000	38.5	43.4	43.4	53.3	59.8	64.6	66.4	69.7	69.7	70.5	72.1	72.1	72.1	72.1	73.0	73.8
≥ 7000	38.5	43.4	43.4	54.1	61.5	66.4	68.0	71.3	71.3	72.1	73.8	73.8	73.8	73.8	74.6	75.4
≥ 6000	38.5	43.4	43.4	54.1	61.5	66.4	68.0	71.3	71.3	72.1	73.8	73.8	73.8	73.8	74.6	75.4
≥ 5000	39.3	44.3	44.3	54.9	63.1	68.0	69.7	73.0	73.0	73.8	75.4	75.4	75.4	75.4	76.2	77.0
≥ 4500	41.0	45.9	45.9	58.2	66.4	71.3	73.0	76.2	76.2	77.0	78.7	78.7	78.7	78.7	79.5	80.3
≥ 4000	41.8	46.7	46.7	59.8	68.0	73.0	74.6	77.9	77.9	78.7	80.3	80.3	80.3	80.3	81.1	82.0
≥ 3500	43.4	48.4	50.0	63.9	72.1	77.0	78.7	82.0	82.0	82.8	84.4	84.4	84.4	84.4	85.2	86.1
≥ 3000	46.7	53.3	54.9	70.5	78.7	83.6	85.2	88.5	88.5	89.3	91.0	91.0	91.0	91.0	91.8	92.6
≥ 2500	47.5	54.9	56.6	72.1	81.1	86.1	87.7	91.0	91.0	91.8	93.4	93.4	93.4	93.4	94.3	95.1
≥ 2000	48.4	55.7	57.4	73.0	82.0	86.9	88.5	91.8	91.8	92.6	94.3	94.3	94.3	95.1	95.1	95.9
≥ 1800	48.4	55.7	57.4	73.0	82.0	86.9	88.5	91.8	91.8	92.6	94.3	94.3	94.3	95.1	95.1	95.9
≥ 1500	48.4	55.7	57.4	73.0	82.0	86.9	88.5	91.8	91.8	92.6	94.3	94.3	94.3	95.1	95.1	95.9
≥ 1200	48.4	55.7	57.4	73.8	82.8	87.7	89.3	92.6	92.6	93.4	95.1	95.1	95.1	95.9	95.9	96.7
≥ 1000	48.4	55.7	57.4	73.8	82.8	87.7	89.3	92.6	92.6	93.4	95.1	95.1	95.1	95.9	95.9	96.7
≥ 900	48.4	55.7	57.4	73.8	82.8	87.7	89.3	92.6	92.6	93.4	95.1	95.1	95.1	95.9	95.9	96.7
≥ 800	48.4	55.7	57.4	73.8	82.8	87.7	89.3	92.6	92.6	93.4	95.1	95.1	95.1	95.9	95.9	96.7
≥ 700	48.4	55.7	57.4	74.6	83.6	88.5	90.2	93.4	93.4	94.3	95.9	95.9	95.9	96.7	96.7	97.5
≥ 600	48.4	55.7	57.4	74.6	83.6	88.5	90.2	93.4	93.4	94.3	95.9	95.9	95.9	96.7	96.7	97.5
≥ 500	48.4	55.7	57.4	74.6	83.6	88.5	90.2	93.4	93.4	94.3	95.9	95.9	95.9	96.7	96.7	97.5
≥ 400	48.4	55.7	57.4	74.6	83.6	88.5	90.2	93.4	93.4	94.3	95.9	95.9	95.9	96.7	96.7	97.5
≥ 300	48.4	55.7	57.4	74.6	83.6	88.5	90.2	93.4	93.4	94.3	95.9	95.9	95.9	96.7	96.7	97.5
≥ 200	48.4	55.7	57.4	74.6	83.6	88.5	90.2	93.4	93.4	94.3	95.9	95.9	95.9	96.7	96.7	97.5
≥ 100	48.4	55.7	57.4	74.6	83.6	88.5	90.2	93.4	93.4	94.3	95.9	95.9	95.9	96.7	96.7	97.5
≥ 0	48.4	55.7	57.4	74.6	83.6	88.5	90.2	93.4	93.4	94.3	95.9	95.9	95.9	96.7	96.7	97.5

TOTAL NUMBER OF OBSERVATIONS 122



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

101335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	22.8	29.3	37.3	37.2	40.1	41.4	43.2	44.9	45.4	45.7	45.9	45.9	46.6	46.7	46.7	47.4
≥ 20000	26.5	34.2	35.3	43.0	47.3	48.6	50.5	52.2	52.7	53.3	53.4	53.4	54.1	54.3	54.3	55.0
IV 18000	26.9	34.8	35.8	43.5	47.8	49.3	51.0	52.7	53.3	53.8	53.9	53.9	54.6	54.8	54.8	55.5
IV 16000	27.1	35.1	36.1	43.8	48.1	49.7	51.4	53.1	53.6	54.1	54.3	54.3	55.0	55.1	55.1	55.8
IV 14000	27.4	35.6	36.6	44.3	48.8	50.3	52.1	53.8	54.3	54.8	55.0	55.0	55.7	55.8	55.8	56.5
IV 12000	27.7	36.1	37.2	44.9	49.3	50.9	52.6	54.3	54.8	55.3	55.5	55.5	56.2	56.3	56.3	57.0
IV 10000	28.4	37.3	39.1	47.3	52.4	54.1	56.2	58.0	58.6	59.1	59.2	59.2	59.9	60.1	60.1	60.8
IV 9000	30.5	39.9	42.0	50.3	55.5	57.2	59.8	61.6	62.2	62.7	62.8	62.8	63.5	63.9	63.9	64.6
IV 8000	32.4	42.5	45.2	55.3	62.2	63.9	66.8	68.8	69.5	70.2	70.4	70.4	71.1	71.6	71.7	72.4
IV 7000	33.9	44.0	46.9	58.4	65.8	67.5	70.4	72.4	73.1	73.8	74.0	74.0	74.7	75.2	75.3	76.0
IV 6000	33.9	44.0	46.9	58.4	65.8	67.5	70.5	72.6	73.3	74.0	74.1	74.1	74.8	75.3	75.5	76.2
IV 5000	34.9	45.2	48.1	59.9	67.5	69.2	72.4	74.5	75.2	75.9	76.0	76.0	76.7	77.2	77.4	78.1
IV 4500	35.4	46.1	49.0	61.0	68.7	70.4	73.6	75.7	76.4	77.1	77.2	77.2	77.9	78.4	78.6	79.3
IV 4000	36.6	47.8	50.7	63.9	72.4	74.3	77.7	79.8	80.5	81.2	81.3	81.3	82.0	82.5	82.7	83.4
IV 3500	37.8	49.1	52.2	66.3	75.9	77.9	81.5	83.9	84.6	85.4	85.6	85.6	86.5	87.0	87.2	87.8
IV 3000	39.4	51.4	54.6	69.7	79.8	81.8	86.1	88.5	89.2	90.4	90.6	90.6	91.4	92.0	92.1	92.8
IV 2500	39.4	51.7	55.0	73.4	80.8	82.9	87.2	89.6	90.2	91.4	91.6	91.6	92.5	93.0	93.2	93.8
IV 2000	39.9	52.4	55.8	71.6	82.4	84.8	89.2	91.6	92.3	93.5	93.7	93.7	94.5	95.0	95.2	95.9
IV 1800	39.9	52.4	55.8	71.7	82.5	84.9	89.4	91.8	92.5	93.7	93.8	93.8	94.7	95.2	95.4	96.1
IV 1500	40.6	53.4	56.8	72.9	84.1	86.6	91.3	93.7	94.3	95.5	95.7	95.7	96.6	97.1	97.3	97.9
IV 1200	40.6	53.4	56.8	73.1	84.2	86.8	91.4	93.8	94.5	95.7	95.9	95.9	96.7	97.3	97.4	98.1
IV 1000	40.6	53.4	56.8	73.1	84.4	87.0	91.6	94.0	94.7	95.9	96.1	96.1	96.9	97.4	97.6	98.3
IV 900	40.6	53.4	56.8	73.3	84.6	87.2	92.0	94.3	95.0	96.2	96.4	96.4	97.3	97.8	97.9	98.6
IV 800	40.6	53.4	56.8	73.3	84.8	87.3	92.1	94.5	95.2	96.6	96.7	96.7	97.6	98.1	98.3	99.0
IV 700	40.6	53.4	56.8	73.3	84.8	87.3	92.1	94.5	95.2	96.6	96.7	96.7	97.6	98.1	98.3	99.0
IV 600	40.6	53.4	56.8	73.3	84.8	87.3	92.1	94.5	95.2	96.6	96.7	96.7	97.6	98.1	98.3	99.0
IV 500	40.6	53.4	56.8	73.3	84.8	87.3	92.1	94.5	95.2	96.7	96.9	96.9	97.8	98.3	98.5	99.1
IV 400	40.6	53.4	56.8	73.3	84.8	87.3	92.1	94.5	95.2	96.7	96.9	96.9	97.8	98.3	98.5	99.1
IV 300	40.6	53.4	56.8	73.3	84.8	87.3	92.3	94.7	95.4	96.9	97.1	97.1	97.9	98.5	98.6	99.3
IV 200	40.6	53.4	56.8	73.3	84.8	87.3	92.3	94.7	95.4	96.9	97.1	97.1	97.9	98.5	98.8	99.5
IV 100	40.6	53.4	56.8	73.3	84.8	87.3	92.3	94.7	95.4	96.9	97.1	97.1	97.9	98.5	99.0	99.8
IV 0	40.6	53.4	56.8	73.3	84.8	87.3	92.3	94.7	95.4	96.9	97.1	97.1	97.9	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 584

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10:335

FINTHEN AAF, DL

73-81

AWC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	22.4	31.4	34.1	43.4	46.5	47.1	48.6	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 20000	24.5	35.0	39.0	49.1	52.5	53.2	54.7	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 18000	25.4	35.8	38.8	49.9	53.4	54.0	55.5	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 16000	25.4	36.3	39.3	50.1	53.5	54.2	55.6	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	26.0	36.7	39.6	50.7	54.2	54.8	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 12000	26.5	37.2	40.1	51.2	54.7	55.3	56.8	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	28.2	39.3	42.4	54.2	57.9	58.6	60.1	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 9000	28.5	40.1	43.5	55.8	59.6	60.2	61.7	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 8000	30.3	42.9	46.3	59.7	65.0	66.0	68.1	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 7000	31.3	44.5	48.3	61.9	67.3	68.4	70.9	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 6000	31.8	45.2	48.6	62.7	68.1	69.2	71.7	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	32.1	45.7	49.1	64.0	69.4	70.5	73.0	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4500	32.2	46.2	49.8	64.6	70.2	71.4	73.8	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4000	36.3	50.7	54.3	70.7	76.6	77.9	80.5	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500	36.5	52.9	57.3	74.3	80.5	82.0	85.1	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 3000	40.8	56.0	60.7	78.7	85.8	87.0	90.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2500	41.2	56.8	61.5	79.9	87.6	89.4	92.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2000	41.6	57.4	62.2	80.7	88.4	90.2	93.5	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	41.6	57.6	62.4	81.0	88.7	90.7	93.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	41.7	58.1	63.1	82.0	90.3	92.5	95.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	41.7	58.1	63.0	83.1	91.5	93.6	97.1	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	41.7	58.1	63.0	83.3	91.7	93.8	97.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	41.7	58.1	63.0	83.5	91.8	93.9	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	41.7	58.1	63.0	83.5	91.8	93.9	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	41.7	58.1	63.0	83.5	92.0	94.1	97.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	41.7	58.1	63.0	83.5	92.0	94.1	97.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	41.7	58.1	63.0	83.5	92.0	94.1	97.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	41.7	58.1	63.0	83.5	92.0	94.1	98.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	41.7	58.1	63.0	83.5	92.0	94.1	98.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	41.7	58.1	63.0	83.5	92.0	94.1	98.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	41.7	58.1	63.0	83.5	92.0	94.1	98.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	41.7	58.1	63.0	83.5	92.0	94.1	98.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 611

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-61  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	28.9	36.0	36.7	42.9	43.6	43.9	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2
≥ 20000	32.4	40.6	41.6	49.2	50.0	50.3	50.5	50.5	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7
≥ 18000	33.1	41.1	42.1	49.7	50.5	50.8	51.0	51.0	51.0	51.0	51.2	51.2	51.2	51.2	51.2	51.2
≥ 16000	33.1	41.1	42.1	49.7	50.5	50.8	51.0	51.0	51.0	51.0	51.2	51.2	51.2	51.2	51.2	51.2
≥ 14000	33.1	41.1	42.1	49.8	50.7	51.0	51.2	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3
≥ 12000	33.6	41.6	42.6	50.7	51.5	51.8	52.0	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1
≥ 10000	36.8	45.6	46.7	55.1	56.4	56.7	56.9	56.9	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	38.5	47.2	48.4	56.9	58.4	58.7	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0
≥ 8000	41.1	51.2	52.5	61.3	63.2	63.8	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1
≥ 7000	42.3	52.8	54.3	64.0	65.8	66.4	66.6	66.6	66.6	66.6	66.8	66.8	66.8	66.8	66.8	66.8
≥ 6000	42.6	53.3	54.8	64.6	66.4	67.1	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4
≥ 5000	44.2	55.1	56.6	66.8	68.6	69.2	69.4	69.4	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6
≥ 4500	44.9	55.9	57.4	67.6	69.4	70.1	70.2	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4000	51.3	63.2	65.3	76.0	78.0	78.6	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3500	55.3	68.1	70.7	82.2	84.4	85.0	85.9	85.9	85.9	86.0	86.2	86.2	86.2	86.2	86.2	86.2
≥ 3000	59.9	73.5	77.3	90.1	92.6	93.3	94.1	94.1	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2500	60.7	74.3	78.1	91.0	93.6	94.2	95.1	95.1	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2000	61.3	75.5	79.3	92.6	95.2	95.9	96.7	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800	61.5	75.7	79.4	92.8	95.4	96.1	97.0	97.0	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	61.5	75.7	79.4	93.4	96.4	97.0	98.2	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	61.7	76.2	79.9	94.1	97.0	97.7	98.8	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	61.7	76.3	80.1	94.2	97.2	97.9	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	61.7	76.3	80.1	94.2	97.2	97.9	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	61.7	76.3	80.1	94.2	97.2	97.9	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	61.7	76.3	80.1	94.2	97.2	97.9	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	61.7	76.3	80.1	94.2	97.2	97.9	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	61.7	76.3	80.1	94.2	97.2	97.9	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	61.7	76.3	80.1	94.2	97.2	97.9	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	61.7	76.3	80.1	94.2	97.2	97.9	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	61.7	76.3	80.1	94.2	97.2	97.9	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	61.7	76.3	80.1	94.2	97.2	97.9	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	61.7	76.3	80.1	94.2	97.2	97.9	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 608

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1-335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

1500-1700  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	33.0	39.9	40.8	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 20000	37.3	45.7	47.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 18000	38.0	46.4	47.8	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	38.0	46.4	47.8	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	38.0	46.4	47.8	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 12000	38.7	47.3	48.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 10000	43.0	52.2	53.4	59.4	59.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 9000	44.0	53.4	55.0	60.6	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 8000	47.6	57.9	59.9	66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 7000	49.1	60.1	62.0	68.8	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 6000	49.3	60.3	62.2	69.0	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	51.7	62.8	64.7	71.7	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 4500	53.9	65.4	67.3	74.5	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4000	63.2	76.0	78.1	85.4	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3500	67.3	80.7	82.9	90.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 3000	69.9	83.7	86.3	94.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2500	70.0	83.9	86.3	95.0	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2000	70.2	84.4	86.8	95.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	70.2	84.6	87.7	96.1	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500	70.7	85.3	87.7	97.3	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	70.7	85.8	88.2	97.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	70.7	85.8	88.2	97.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	70.7	85.8	88.2	97.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	70.7	85.8	88.2	97.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	70.7	85.8	88.2	97.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	70.7	85.8	88.2	97.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	70.7	85.8	88.2	97.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	70.7	85.8	88.2	97.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	70.7	85.8	88.2	97.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	70.7	85.8	88.2	97.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	70.7	85.8	88.2	97.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	70.7	85.8	88.2	97.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 584

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

10335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-61  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	37.7	46.2	47.3	50.1	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥20000	44.4	55.2	56.6	60.6	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥18000	45.2	56.0	57.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥16000	47.2	58.0	57.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥14000	45.4	56.2	57.5	61.5	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥12000	45.6	57.2	58.6	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥10000	51.1	63.1	64.5	69.0	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥9000	52.5	64.5	65.9	70.4	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥8000	57.0	71.0	72.8	78.1	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥7000	59.0	72.0	73.8	79.1	79.9	79.9	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.5	80.5
≥6000	58.4	72.4	74.2	79.7	80.5	80.5	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	81.1	81.1
≥5000	61.1	75.1	76.9	82.4	83.2	83.2	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.8	83.8
≥4500	62.3	76.5	78.3	83.8	84.6	84.6	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.2	85.2
≥4000	66.7	81.3	83.2	88.8	89.7	89.7	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5
≥3500	68.2	83.2	85.2	90.7	91.9	91.9	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.7	92.7
≥3000	70.8	86.2	88.2	94.3	95.5	95.7	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	97.0	97.0
≥2500	71.4	86.8	88.8	94.9	96.1	96.3	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.6	97.6
≥2000	71.6	87.2	89.2	95.3	96.4	96.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0
≥1800	71.8	87.4	89.3	95.5	96.6	96.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.2	98.2
≥1500	71.8	87.4	89.3	96.1	97.2	97.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.8	98.8
≥1200	71.8	88.0	89.9	96.6	97.8	98.0	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6
≥1000	71.8	88.0	89.9	96.6	97.8	98.0	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6
≥900	71.8	88.0	89.9	96.6	97.8	98.0	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6
≥800	71.8	88.0	89.9	96.6	97.8	98.0	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6
≥700	71.8	88.0	89.9	96.6	97.8	98.0	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6
≥600	71.8	88.0	89.9	96.6	97.8	98.0	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6
≥500	71.8	88.0	89.9	96.6	97.8	98.0	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6
≥400	71.8	88.0	89.9	96.6	97.8	98.0	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6
≥300	71.8	88.0	89.9	96.6	97.8	98.0	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6
≥200	71.8	88.0	89.9	96.6	97.8	98.0	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6
≥100	71.8	88.0	89.9	96.6	97.8	98.0	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6
≥0	71.8	88.0	89.9	96.6	97.8	98.0	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 507

CLIMATE CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

DATE 10-1-81  
SEE FIRST PAGE

# CEILING VERSUS VISIBILITY

10-335 STATION FINTHEN AAF, DL

73-81

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	28.8	36.2	37.4	43.3	45.0	45.5	46.2	46.7	46.8	46.9	47.0	47.0	47.2	47.2	47.2	47.4
≥20000	32.9	41.6	43.1	50.2	52.2	52.6	53.5	54.0	54.1	54.3	54.4	54.4	54.5	54.6	54.6	54.7
≥18000	33.4	42.2	43.7	50.9	52.9	53.4	54.1	54.6	54.8	54.9	55.0	55.0	55.2	55.2	55.2	55.4
≥16000	33.4	42.3	43.8	51.0	53.0	53.6	54.3	54.8	54.9	55.0	55.2	55.2	55.3	55.3	55.3	55.5
≥14000	33.7	42.6	44.1	51.3	53.3	53.9	54.6	55.1	55.3	55.4	55.5	55.5	55.7	55.7	55.7	55.9
≥12000	34.1	43.3	44.8	52.2	54.2	54.8	55.5	56.0	56.1	56.3	56.4	56.4	56.5	56.6	56.6	56.7
≥10000	37.0	46.8	48.5	56.4	58.8	59.5	60.2	60.8	60.9	61.0	61.2	61.2	61.3	61.3	61.3	61.5
≥9000	38.3	48.3	50.1	58.2	60.6	61.3	62.2	62.8	62.9	63.1	63.2	63.2	63.3	63.4	63.4	63.6
≥8000	41.0	52.1	54.3	63.3	66.4	67.3	68.5	69.1	69.3	69.4	69.6	69.6	69.7	69.8	69.9	70.0
≥7000	42.2	53.7	55.9	65.6	68.9	69.8	71.0	71.7	71.9	72.0	72.1	72.1	72.3	72.4	72.5	72.6
≥6000	42.5	54.3	56.7	66.0	69.3	70.3	71.5	72.1	72.3	72.5	72.6	72.6	72.7	72.9	72.9	73.1
≥5000	44.1	55.7	57.9	68.0	71.4	72.3	73.6	74.3	74.5	74.6	74.8	74.8	74.9	75.0	75.1	75.3
≥4500	45.0	56.9	59.2	69.4	72.9	73.8	75.1	75.8	76.0	76.1	76.3	76.3	76.4	76.5	76.6	76.8
≥4000	49.9	62.5	65.7	75.9	79.7	80.7	82.1	82.7	82.9	83.1	83.2	83.2	83.4	83.5	83.6	83.7
≥3500	52.5	65.5	68.4	79.9	84.2	85.2	86.9	87.6	87.8	88.0	88.2	88.2	88.3	88.5	88.5	88.7
≥3000	55.3	69.3	72.1	84.6	89.3	90.5	92.3	93.2	93.4	93.7	93.8	93.8	94.0	94.1	94.2	94.3
≥2500	55.7	69.6	72.9	85.4	91.3	91.5	93.4	94.2	94.4	94.7	94.8	94.8	95.0	95.1	95.2	95.4
≥2000	56.1	70.3	73.5	86.4	91.3	92.6	94.5	95.4	95.6	95.9	96.0	96.0	96.2	96.3	96.4	96.6
≥1800	56.2	70.4	73.7	86.6	91.6	92.9	94.8	95.7	95.9	96.2	96.3	96.3	96.5	96.7	96.7	96.9
≥1500	56.4	70.8	74.1	87.5	92.7	94.1	96.2	97.0	97.2	97.5	97.7	97.7	97.9	98.0	98.1	98.2
≥1200	56.5	71.1	74.4	88.1	93.4	94.7	96.8	97.6	97.9	98.2	98.4	98.4	98.6	98.7	98.8	98.9
≥1000	56.5	71.2	74.4	88.2	93.5	94.8	96.9	97.8	98.1	98.4	98.6	98.6	98.8	98.9	99.0	99.1
≥900	56.5	71.2	74.4	88.3	93.5	94.9	97.0	97.9	98.2	98.5	98.7	98.7	98.9	99.0	99.1	99.2
≥800	56.5	71.2	74.4	88.3	93.6	94.9	97.1	98.0	98.2	98.6	98.7	98.7	98.9	99.1	99.1	99.3
≥700	56.5	71.2	74.4	88.3	93.6	95.0	97.1	98.0	98.3	98.7	98.8	98.8	99.0	99.1	99.2	99.4
≥600	56.5	71.2	74.4	88.3	93.6	95.0	97.2	98.1	98.3	98.7	98.8	98.8	99.0	99.2	99.3	99.4
≥500	56.5	71.2	74.4	88.3	93.6	95.0	97.2	98.1	98.3	98.8	99.0	99.0	99.2	99.4	99.4	99.6
≥400	56.5	71.2	74.4	88.3	93.6	95.0	97.2	98.1	98.4	98.9	99.0	99.0	99.3	99.4	99.5	99.7
≥300	56.5	71.2	74.4	88.3	93.6	95.1	97.3	98.2	98.5	99.0	99.1	99.1	99.4	99.6	99.6	99.8
≥200	56.5	71.2	74.4	88.3	93.6	95.1	97.3	98.2	98.5	99.0	99.1	99.1	99.4	99.6	99.7	99.8
≥100	56.5	71.2	74.4	88.3	93.6	95.1	97.3	98.2	98.5	99.0	99.1	99.1	99.4	99.6	99.7	99.9
≥50	56.5	71.2	74.4	88.3	93.6	95.1	97.3	98.2	98.5	99.0	99.1	99.1	99.4	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3016

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

100335 FINTHEN AAF, DL

73-77, 80-81

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	25.2	32.7	34.6	44.9	46.7	47.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	56.1	56.1	57.0
≥ 20000	27.1	33.6	35.5	45.8	47.7	48.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	57.0	57.0	57.9
≥ 18000	27.1	33.6	35.5	45.8	47.7	48.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	57.0	57.0	57.9
≥ 16000	27.1	33.6	35.5	45.8	47.7	48.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	57.0	57.0	57.9
≥ 14000	27.1	33.6	35.5	45.8	47.7	48.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	57.0	57.0	57.9
≥ 12000	27.1	33.6	35.5	45.8	47.7	48.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	57.0	57.0	57.9
≥ 10000	28.0	35.5	37.4	47.7	50.5	51.4	57.0	57.0	57.0	57.0	57.0	57.0	57.0	59.8	59.8	60.7
≥ 9000	28.0	36.4	38.3	48.6	51.4	52.3	57.9	58.9	58.9	58.9	58.9	58.9	58.9	61.7	61.7	62.6
≥ 8000	29.1	39.3	41.1	54.2	57.0	57.9	63.6	64.5	64.5	64.5	64.5	64.5	64.5	67.3	67.3	68.2
≥ 7000	29.1	40.2	42.1	55.1	57.9	58.9	64.5	65.4	65.4	65.4	65.4	65.4	65.4	69.2	69.2	70.1
≥ 6000	29.1	40.2	43.0	56.1	58.9	60.7	66.4	67.3	67.3	67.3	67.3	67.3	67.3	71.0	71.0	72.0
≥ 5000	30.2	41.1	44.9	59.8	63.6	65.4	71.0	72.0	72.0	72.0	72.0	72.0	72.0	75.7	75.7	76.6
≥ 4500	32.7	43.9	47.7	62.6	67.3	69.2	74.8	75.7	75.7	75.7	75.7	75.7	75.7	79.4	79.4	80.4
≥ 4000	35.5	46.7	50.5	66.4	72.0	73.6	79.4	80.4	80.4	80.4	80.4	80.4	80.4	84.1	84.1	85.0
≥ 3500	35.5	46.7	50.5	66.4	72.9	74.8	80.4	81.3	81.3	81.3	81.3	81.3	81.3	85.0	85.0	86.0
≥ 3000	35.5	46.7	50.5	68.2	75.7	77.6	83.2	84.1	84.1	84.1	84.1	84.1	84.1	87.9	87.9	88.9
≥ 2500	35.5	46.7	50.5	69.2	76.6	78.5	84.1	85.0	85.0	85.0	85.0	85.0	85.0	88.8	88.8	89.7
≥ 2000	35.5	47.7	51.4	70.1	78.5	80.4	86.0	86.9	86.9	86.9	86.9	86.9	86.9	90.7	90.7	91.6
≥ 1800	35.5	47.7	51.4	70.1	78.5	80.4	86.0	86.9	86.9	86.9	86.9	86.9	86.9	90.7	90.7	91.6
≥ 1500	36.4	49.5	53.3	72.9	80.4	82.2	87.9	89.7	89.7	89.7	89.7	89.7	89.7	93.5	93.5	94.4
≥ 1200	36.4	49.5	53.3	72.9	81.3	83.2	88.8	90.7	90.7	90.7	90.7	90.7	90.7	94.4	94.4	95.3
≥ 1000	36.4	49.5	53.3	72.9	81.3	83.2	89.7	91.6	91.6	91.6	91.6	91.6	91.6	95.3	95.3	96.3
≥ 900	36.4	49.5	53.3	72.9	81.3	83.2	89.7	91.6	91.6	91.6	91.6	91.6	91.6	95.3	95.3	96.3
≥ 800	36.4	49.5	53.3	72.9	81.3	83.2	89.7	91.6	91.6	91.6	91.6	91.6	91.6	95.3	95.3	96.3
≥ 700	36.4	49.5	53.3	72.9	81.3	83.2	89.7	91.6	91.6	91.6	91.6	91.6	91.6	95.3	95.3	96.3
≥ 600	36.4	49.5	53.3	72.9	81.3	83.2	89.7	91.6	91.6	91.6	91.6	91.6	91.6	95.3	95.3	96.3
≥ 500	36.4	49.5	53.3	72.9	81.3	83.2	89.7	91.6	91.6	91.6	91.6	91.6	91.6	95.3	95.3	96.3
≥ 400	36.4	49.5	53.3	72.9	81.3	83.2	89.7	91.6	91.6	91.6	91.6	91.6	91.6	95.3	95.3	96.3
≥ 300	36.4	49.5	53.3	72.9	81.3	83.2	89.7	92.5	92.5	92.5	92.5	92.5	92.5	96.3	96.3	97.2
≥ 200	36.4	49.5	53.3	72.9	81.3	83.2	89.7	92.5	92.5	92.5	92.5	92.5	92.5	96.3	96.3	98.1
≥ 100	36.4	49.5	53.3	72.9	81.3	83.2	89.7	92.5	92.5	92.5	92.5	92.5	92.5	96.3	96.3	98.1
≥ 0	36.4	49.5	53.3	72.9	81.3	83.2	89.7	92.5	92.5	92.5	92.5	92.5	92.5	96.3	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 107

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1-3335 FINTHEN AAF, DL

73-61

CEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2633-6422

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	16.5	21.5	22.6	26.2	30.1	32.3	33.3	35.4	36.2	37.4	37.6	38.2	38.4	39.8	40.2	41.3
≥ 20000	19.3	24.2	25.4	29.1	33.5	35.8	37.2	39.2	40.0	41.3	41.5	42.1	42.3	43.7	44.1	45.1
≥ 18000	18.7	24.6	25.8	29.5	33.9	36.2	37.6	39.6	40.4	41.7	41.9	42.5	42.7	44.1	44.5	45.5
≥ 16000	18.7	24.6	25.8	29.5	33.9	36.2	37.6	39.6	40.4	41.7	41.9	42.5	42.7	44.1	44.5	45.5
≥ 14000	18.7	24.6	25.8	29.5	33.9	36.2	37.6	39.6	40.4	41.7	41.9	42.5	42.7	44.1	44.5	45.5
≥ 12000	18.7	24.6	25.8	29.5	33.9	36.2	37.6	39.6	40.4	41.7	41.9	42.5	42.7	44.1	44.5	45.5
≥ 10000	20.7	27.0	28.3	33.1	38.6	41.1	42.7	44.7	45.5	46.7	47.0	47.6	47.8	49.2	49.6	51.0
≥ 9000	21.3	27.6	28.9	33.7	39.6	42.1	43.7	45.7	46.5	47.8	48.0	48.8	49.0	50.4	50.8	52.2
≥ 8000	24.6	32.3	33.7	40.7	48.0	50.4	52.4	54.7	55.7	57.1	57.3	58.1	58.3	59.8	60.2	61.6
≥ 7000	25.4	33.9	35.4	43.1	51.8	54.3	56.7	58.9	60.0	61.4	61.8	62.6	63.0	64.8	65.2	66.7
≥ 6000	25.8	33.9	35.4	43.5	52.2	54.7	57.1	59.3	60.4	61.8	62.2	63.2	63.6	65.4	65.9	67.3
≥ 5000	28.3	37.2	38.6	47.2	56.3	58.7	61.2	63.6	64.6	66.1	66.5	67.5	67.9	69.7	70.1	71.5
≥ 4500	30.1	39.0	40.9	49.4	59.1	61.6	64.0	66.5	67.7	69.1	69.5	70.5	70.9	72.8	73.2	74.6
≥ 4000	32.5	42.1	43.9	52.4	62.8	65.7	68.5	71.1	72.4	73.8	74.2	75.2	75.6	77.8	78.3	79.7
≥ 3500	33.3	43.7	45.5	54.3	64.8	67.9	71.0	74.6	76.0	77.4	77.8	78.9	79.7	81.5	82.1	83.7
≥ 3000	36.0	46.7	48.6	57.5	69.3	72.6	76.4	80.5	81.9	83.3	83.9	85.0	85.8	87.6	88.2	89.8
≥ 2500	36.2	47.0	49.0	58.5	70.5	74.0	77.8	81.9	83.5	85.0	85.6	86.6	87.4	89.2	89.8	91.5
≥ 2000	37.6	48.8	50.8	60.4	72.4	75.8	79.7	83.7	85.4	86.8	87.4	88.4	89.2	91.1	91.7	93.3
≥ 1800	37.6	48.8	50.8	60.6	72.6	76.0	79.9	83.9	85.6	87.0	87.6	88.6	89.4	91.5	92.1	93.7
≥ 1500	38.0	49.4	51.4	61.2	73.2	76.6	80.5	84.8	86.4	87.8	88.4	89.4	90.2	92.3	92.9	94.5
≥ 1200	38.0	49.8	51.8	61.6	73.6	77.0	80.9	85.2	86.8	88.2	88.8	89.8	90.7	92.7	93.3	94.9
≥ 1000	38.0	50.2	52.2	62.0	74.4	77.8	81.7	86.0	87.6	89.0	89.6	90.7	91.5	93.5	94.1	95.7
≥ 900	38.0	50.2	52.2	62.0	74.4	77.8	81.7	86.0	87.6	89.0	89.6	90.7	91.5	93.5	94.1	95.7
≥ 800	38.0	50.2	52.2	62.0	74.4	77.8	81.7	86.0	87.6	89.0	89.6	90.7	91.5	93.5	94.1	95.7
≥ 700	38.0	50.2	52.2	62.0	74.4	77.8	81.7	86.0	87.6	89.0	89.6	90.7	91.5	93.5	94.1	95.7
≥ 600	38.0	50.2	52.2	62.0	74.4	77.8	81.7	86.0	87.6	89.0	89.6	90.7	91.5	93.5	94.1	95.7
≥ 500	38.0	50.2	52.2	62.0	74.4	77.8	81.7	86.0	87.6	89.0	89.6	90.7	91.5	93.5	94.1	95.7
≥ 400	38.0	50.2	52.2	62.0	74.4	77.8	81.7	86.0	87.6	89.0	89.6	90.7	91.5	93.5	94.1	95.7
≥ 300	38.0	50.2	52.2	62.0	74.4	77.8	81.7	86.0	87.6	89.0	89.6	90.7	91.5	93.5	94.1	95.7
≥ 200	38.0	50.2	52.2	62.0	74.4	77.8	81.7	86.0	87.6	89.0	89.6	90.7	91.5	93.5	94.1	95.7
≥ 100	38.0	50.2	52.2	62.0	74.4	77.8	81.7	86.0	87.6	89.0	89.6	90.7	91.5	93.5	94.1	95.7
≥ 0	38.2	50.4	52.4	62.2	74.6	78.0	81.9	86.2	87.8	89.2	89.8	90.9	91.9	94.5	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 492



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

100335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	16.2	22.2	24.0	30.7	34.9	35.9	38.3	39.5	40.5	40.7	40.9	41.3	41.3	41.7	41.9	42.1
≥ 20000	19.2	25.5	27.3	34.9	39.1	40.1	42.5	43.9	44.9	45.1	45.3	45.9	45.9	46.3	46.5	46.7
IV 18000	19.2	25.5	27.3	35.1	39.3	40.3	42.7	44.1	45.1	45.3	45.5	46.1	46.1	46.5	46.7	46.9
IV 16000	19.2	25.5	27.3	35.1	39.3	40.3	42.7	44.1	45.1	45.3	45.5	46.1	46.1	46.5	46.7	46.9
IV 14000	19.2	25.5	27.3	35.1	39.3	40.3	42.7	44.1	45.1	45.3	45.5	46.1	46.1	46.5	46.7	46.9
IV 12000	19.6	25.9	27.7	36.1	40.7	41.7	44.1	45.5	46.5	46.9	47.1	47.7	47.7	48.1	48.3	48.5
IV 10000	21.4	27.7	29.7	39.3	44.1	45.1	47.5	48.9	49.9	50.5	50.7	51.3	51.3	51.7	51.9	52.1
IV 9000	22.4	28.7	31.7	40.9	46.1	47.1	49.5	50.9	51.9	52.5	52.7	53.3	53.3	53.7	53.9	54.1
IV 8000	25.0	32.3	34.5	46.3	52.1	53.3	55.7	57.5	58.5	59.3	59.5	60.3	60.3	60.7	60.9	61.1
IV 7000	25.7	33.3	35.5	48.7	54.9	56.1	58.7	60.5	61.5	62.5	62.7	63.5	63.5	63.9	64.1	64.3
IV 6000	25.9	33.9	36.3	49.5	55.7	56.9	59.5	61.3	62.3	63.3	63.5	64.3	64.3	64.7	64.9	65.1
IV 5000	27.9	37.5	39.9	53.1	59.5	60.9	63.5	65.3	66.3	67.3	67.5	68.3	68.3	68.7	68.9	69.1
IV 4500	29.7	40.1	42.7	56.5	63.1	64.5	67.3	69.1	70.1	71.5	71.7	72.5	72.5	72.9	73.1	73.3
IV 4000	32.7	43.3	45.9	60.3	67.3	68.7	71.7	73.7	74.9	76.2	76.4	77.2	77.4	77.8	78.0	78.2
IV 3500	34.5	46.5	49.3	64.1	71.5	73.9	77.2	79.8	81.0	82.4	82.6	83.4	83.6	84.0	84.2	84.4
IV 3000	37.7	50.7	53.5	69.7	77.4	80.0	83.8	86.4	87.8	89.2	89.4	90.2	90.4	90.8	91.0	91.2
IV 2500	38.3	51.3	54.1	70.5	78.2	80.8	84.6	87.2	88.6	90.0	90.2	91.0	91.2	91.6	91.8	92.0
IV 2000	39.5	52.5	55.3	71.9	79.6	82.2	86.0	88.6	90.2	91.6	91.8	92.6	92.8	93.2	93.4	93.6
IV 1800	40.1	53.1	55.9	72.5	80.2	82.8	86.6	89.2	90.8	92.2	92.4	93.2	93.4	93.8	94.0	94.2
IV 1500	40.5	53.5	56.3	72.9	80.8	83.4	87.4	90.0	91.6	93.0	93.2	94.0	94.2	94.6	94.8	95.0
IV 1200	40.5	53.5	56.3	72.9	80.8	83.4	87.4	90.0	91.6	93.0	93.2	94.0	94.2	94.6	94.8	95.0
IV 1000	40.5	53.7	56.5	73.3	81.2	83.8	88.0	90.6	92.2	93.6	93.8	94.6	94.8	95.2	95.4	95.6
IV 900	40.5	53.7	56.5	73.3	81.2	83.8	88.0	90.6	92.2	93.6	93.8	94.6	94.8	95.2	95.4	95.6
IV 800	40.5	53.7	56.5	73.3	81.2	83.8	88.0	90.6	92.2	93.6	93.8	94.6	94.8	95.2	95.4	95.6
IV 700	40.5	53.7	56.5	73.3	81.2	83.8	88.0	90.6	92.2	93.6	93.8	94.6	94.8	95.2	95.4	95.6
IV 600	40.5	53.7	56.5	73.3	81.2	83.8	88.0	90.6	92.2	93.6	93.8	94.6	94.8	95.2	95.4	95.6
IV 500	40.5	53.7	56.5	73.3	81.2	83.8	88.0	90.6	92.2	93.6	93.8	94.6	94.8	95.2	95.4	95.6
IV 400	40.5	53.7	56.5	73.3	81.2	83.8	88.0	90.6	92.2	93.6	93.8	94.6	94.8	95.2	95.4	95.6
IV 300	40.5	53.7	56.5	73.3	81.2	83.8	88.0	90.6	92.2	93.6	93.8	94.6	94.8	95.2	95.4	95.6
IV 200	40.5	53.7	56.5	73.3	81.2	83.8	88.0	90.6	92.2	93.6	93.8	94.6	94.8	95.2	95.4	95.6
IV 100	40.5	53.7	56.5	73.3	81.2	83.8	88.0	90.6	92.2	93.6	93.8	94.6	94.8	95.2	95.4	95.6
IV 0	40.5	53.7	56.5	73.3	81.2	83.8	88.0	90.6	92.2	93.6	93.8	94.6	94.8	95.2	95.4	95.6

TOTAL NUMBER OF OBSERVATIONS 501

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

106335 FINTHEN AAF, DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	18.3	22.7	23.9	31.8	35.0	35.2	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 20000	21.9	27.6	29.7	37.6	41.0	41.2	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 18000	21.9	27.6	29.0	37.6	41.0	41.2	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 16000	21.9	27.6	29.7	37.6	41.0	41.2	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 14000	21.9	27.6	29.7	37.6	41.2	41.4	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
IV 12000	22.5	28.2	29.8	38.6	42.5	42.7	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 10000	24.7	30.8	32.4	41.9	46.1	46.3	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 9000	25.4	31.4	33.7	42.7	46.9	47.1	48.7	48.9	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 8000	30.4	38.2	40.2	50.7	55.9	56.1	57.7	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 7000	31.9	40.0	42.1	53.3	59.0	59.2	61.0	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 6000	31.8	40.0	42.1	53.3	59.0	59.2	61.0	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 5000	34.4	43.7	45.7	57.1	63.4	63.6	65.4	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 4500	36.4	45.9	48.1	60.0	66.2	66.4	68.2	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 4000	39.8	49.7	51.9	64.6	71.0	71.4	73.2	73.8	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3500	45.1	56.1	58.6	71.8	78.7	79.3	81.3	81.9	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3000	51.5	63.8	66.4	81.3	88.1	88.7	91.1	92.2	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 2500	52.7	65.4	68.7	82.9	89.9	90.5	93.0	94.0	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 2000	52.9	66.2	68.8	84.1	91.3	92.0	94.4	95.6	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1800	52.9	66.2	68.8	84.1	91.3	92.0	94.4	95.6	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1500	53.5	67.2	69.8	85.3	92.6	93.2	95.8	97.0	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1200	54.1	67.8	70.4	86.1	93.4	94.0	96.6	97.8	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1000	54.1	67.8	70.4	86.1	93.4	94.0	96.6	97.8	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 900	54.1	67.8	70.4	86.1	93.4	94.2	96.8	98.0	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	54.1	67.8	70.4	86.1	93.4	94.2	96.8	98.2	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	54.1	67.8	70.4	86.1	93.4	94.2	96.8	98.2	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	54.1	67.8	70.4	86.1	93.4	94.2	96.8	98.4	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	54.1	67.8	70.4	86.1	93.4	94.2	96.8	98.6	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	54.1	67.8	70.4	86.1	93.4	94.2	96.8	98.6	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	54.1	67.8	70.4	86.1	93.4	94.2	96.8	98.6	99.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0
IV 200	54.1	67.8	70.4	86.1	93.4	94.2	96.8	98.6	99.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0
IV 100	54.1	67.8	70.4	86.1	93.4	94.2	96.8	98.6	99.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0
IV 0	54.1	67.8	70.4	86.1	93.4	94.2	96.8	98.6	99.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 997

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 8335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING ≥ 20000	20.1	23.7	24.3	32.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 18000	25.7	31.1	32.0	40.2	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV ≥ 16000	27.2	32.6	33.4	41.7	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV ≥ 14000	27.4	32.8	33.6	42.1	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV ≥ 12000	29.2	33.6	34.4	42.9	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV ≥ 10000	32.0	38.6	39.4	48.3	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV ≥ 9000	33.4	40.0	40.9	49.8	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV ≥ 8000	40.0	49.2	50.4	60.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV ≥ 7000	41.7	51.2	52.5	63.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV ≥ 6000	42.5	52.3	53.5	64.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV ≥ 5000	44.2	54.4	55.6	67.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV ≥ 4500	45.9	56.4	57.7	69.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV ≥ 4000	50.8	62.7	63.9	76.3	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV ≥ 3500	55.2	68.5	69.9	82.6	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV ≥ 3000	59.8	74.7	76.3	90.2	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV ≥ 2500	61.6	76.8	78.4	92.5	96.1	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV ≥ 2000	62.2	77.6	79.5	94.0	97.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV ≥ 1800	62.4	77.8	79.7	94.2	97.7	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV ≥ 1500	62.4	77.8	79.7	94.4	97.9	99.0	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV ≥ 1200	62.7	78.0	79.9	94.6	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV ≥ 1000	62.7	78.0	79.9	94.6	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV ≥ 900	62.7	78.0	79.9	94.6	98.1	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 800	62.7	78.0	79.9	94.6	98.1	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 700	62.7	78.0	79.9	94.6	98.1	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 600	62.7	78.0	79.9	94.6	98.1	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 500	62.7	78.0	79.9	94.6	98.1	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 400	62.7	78.0	79.9	94.6	98.1	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 300	62.7	78.0	79.9	94.6	98.1	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 200	62.7	78.0	79.9	94.6	98.1	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 100	62.7	78.0	79.9	94.6	98.1	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 0	62.7	78.0	79.9	94.6	98.1	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 482

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1.6335

FINTHEN AAF, DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1820-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	27.6	33.8	34.3	39.6	40.9	40.9	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000	32.5	40.9	41.7	48.6	50.1	50.1	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000	34.0	42.7	43.5	50.4	51.9	51.9	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	34.0	42.7	43.5	50.4	51.9	51.9	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	34.3	43.2	44.0	50.9	52.4	52.4	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000	35.5	44.5	45.3	52.7	54.2	54.2	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 10000	38.9	48.6	49.6	57.5	59.1	59.1	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 9000	39.4	49.4	50.4	58.3	59.8	59.8	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 8000	45.5	56.0	57.3	65.5	67.5	67.5	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 7000	46.0	56.8	58.1	67.5	69.6	69.6	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	46.0	56.8	58.1	67.5	69.6	69.6	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	48.1	59.1	60.9	71.1	73.1	73.1	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 4500	50.6	61.9	63.9	74.2	77.0	77.0	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	54.0	66.5	69.1	79.8	83.1	83.1	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3500	56.8	69.6	72.1	84.4	87.7	88.0	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	59.8	73.9	77.7	91.0	94.9	95.1	95.9	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2500	60.9	75.4	78.5	92.8	96.7	97.2	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	61.6	76.2	79.3	93.6	97.4	98.0	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800	61.6	76.2	79.3	93.6	97.4	98.0	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	61.9	76.5	79.5	93.9	97.7	98.2	99.0	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	62.1	76.7	79.8	94.1	98.0	98.5	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	62.1	76.7	79.8	94.1	98.0	98.5	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	62.1	76.7	79.8	94.1	98.0	98.5	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	62.1	76.7	79.8	94.1	98.0	98.5	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	62.1	76.7	79.8	94.1	98.0	98.5	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	62.1	76.7	79.8	94.1	98.0	98.5	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	62.1	76.7	79.8	94.1	98.0	98.5	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	62.1	76.7	79.8	94.1	98.0	98.5	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	62.1	76.7	79.8	94.1	98.0	98.5	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	62.1	76.7	79.8	94.1	98.0	98.5	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	62.1	76.7	79.8	94.1	98.0	98.5	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	62.1	76.7	79.8	94.1	98.0	98.5	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 391

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## CEILING VERSUS VISIBILITY

1 6335  
STATION

FINTHEN AAF, DL

STATION NAME

73-81

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	19.7	24.7	25.8	32.3	35.1	35.6	37.1	37.8	38.1	38.4	38.5	38.7	38.7	39.2	39.4	39.6
≥ 20000	23.3	29.6	30.8	38.0	41.0	41.7	43.2	43.9	44.3	44.5	44.6	44.9	44.9	45.4	45.5	45.8
≥ 18000	23.9	30.2	31.5	38.7	41.7	42.4	43.8	44.6	44.9	45.2	45.3	45.5	45.6	46.1	46.2	46.5
≥ 16000	23.9	30.2	31.5	38.7	41.7	42.5	43.9	44.6	45.0	45.3	45.3	45.6	45.6	46.1	46.2	46.5
≥ 14000	24.0	30.3	31.6	38.8	41.9	42.7	44.1	44.8	45.2	45.5	45.5	45.8	45.8	46.3	46.4	46.7
≥ 12000	24.5	30.9	32.2	39.8	43.2	43.9	45.3	46.0	46.4	46.7	46.8	47.0	47.1	47.6	47.7	48.0
≥ 10000	27.0	34.0	35.3	43.6	47.4	48.1	49.6	50.3	50.7	51.1	51.1	51.4	51.4	51.9	52.0	52.4
≥ 9000	27.9	34.9	36.2	44.7	48.6	49.4	50.8	51.6	52.0	52.4	52.5	52.8	52.8	53.3	53.4	53.8
≥ 8000	32.3	40.9	42.5	52.1	56.7	57.5	59.1	60.0	60.4	60.9	61.0	61.3	61.3	61.8	61.9	62.3
≥ 7000	33.4	42.3	44.0	54.6	59.6	60.4	62.1	63.2	63.6	64.1	64.2	64.5	64.6	65.2	65.3	65.7
≥ 6000	33.6	42.6	44.4	55.1	60.2	61.0	62.7	63.7	64.1	64.7	64.8	65.1	65.2	65.8	66.0	66.3
≥ 5000	35.8	45.6	47.4	58.6	64.0	64.9	66.6	67.7	68.1	68.6	68.7	69.1	69.2	69.8	69.9	70.3
≥ 4500	37.7	47.9	49.9	61.3	67.1	68.0	69.8	70.8	71.3	71.9	72.0	72.3	72.4	73.0	73.2	73.5
≥ 4000	41.1	51.9	54.1	66.1	72.2	73.4	75.2	76.4	76.9	77.5	77.6	78.0	78.2	78.8	78.9	79.3
≥ 3500	44.0	55.8	58.1	70.6	77.0	78.5	80.6	82.0	82.6	83.2	83.3	83.6	83.8	84.5	84.6	85.0
≥ 3000	47.9	60.7	63.2	76.9	83.8	85.4	87.8	89.4	90.1	90.8	90.9	91.3	91.5	92.1	92.3	92.7
≥ 2500	48.8	61.9	64.3	78.4	85.4	87.0	89.4	91.1	91.8	92.5	92.6	93.0	93.2	93.8	94.0	94.4
≥ 2000	49.6	63.0	65.5	79.7	86.8	88.5	90.9	92.6	93.4	94.0	94.2	94.5	94.7	95.3	95.5	95.9
≥ 1800	49.8	63.1	65.6	79.9	87.0	88.7	91.1	92.8	93.6	94.2	94.4	94.7	94.9	95.6	95.7	96.2
≥ 1500	50.1	63.6	66.2	80.5	87.7	89.4	91.8	93.6	94.5	95.1	95.3	95.7	95.9	96.5	96.7	97.1
≥ 1200	50.3	63.9	66.4	80.9	88.0	89.7	92.2	94.0	94.8	95.5	95.7	96.0	96.2	96.9	97.0	97.4
≥ 1000	50.3	64.0	66.6	81.1	88.3	90.0	92.5	94.3	95.1	95.8	96.0	96.4	96.6	97.2	97.4	97.8
≥ 900	50.3	64.0	66.6	81.1	88.3	90.0	92.6	94.4	95.2	95.9	96.1	96.4	96.6	97.3	97.4	97.9
≥ 800	50.3	64.0	66.6	81.1	88.3	90.0	92.6	94.5	95.3	96.0	96.1	96.5	96.7	97.3	97.5	97.9
≥ 700	50.3	64.0	66.6	81.1	88.3	90.0	92.6	94.5	95.3	96.0	96.2	96.5	96.8	97.4	97.6	98.0
≥ 600	50.3	64.0	66.6	81.1	88.3	90.0	92.6	94.5	95.3	96.0	96.2	96.6	96.8	97.4	97.6	98.0
≥ 500	50.3	64.0	66.6	81.1	88.3	90.0	92.6	94.5	95.5	96.2	96.4	96.8	97.0	97.8	97.9	98.3
≥ 400	50.3	64.0	66.6	81.1	88.3	90.0	92.6	94.5	95.5	96.2	96.4	96.8	97.0	97.8	97.9	98.3
≥ 300	50.3	64.0	66.6	81.1	88.3	90.0	92.6	94.6	95.5	96.2	96.4	96.9	97.2	98.0	98.2	98.6
≥ 200	50.3	64.0	66.6	81.1	88.3	90.0	92.6	94.6	95.5	96.2	96.4	96.9	97.3	98.1	98.4	99.1
≥ 100	50.3	64.0	66.6	81.1	88.3	90.0	92.6	94.6	95.5	96.2	96.4	96.9	97.3	98.1	98.4	99.7
≥ 0	50.4	64.1	66.6	81.1	88.3	90.1	92.6	94.6	95.5	96.3	96.5	96.9	97.3	98.1	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2470

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

106335 FINTHEN AAF, DL

73-77

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	18.1	19.1	21.3	23.4	25.5	25.5	26.6	29.8	30.9	30.9	31.9	31.9	33.0	33.0	33.0	34.0
≥ 20000	18.1	19.1	21.3	23.4	25.5	25.5	26.6	29.8	30.9	30.9	31.9	31.9	33.0	33.0	33.0	34.0
IV 18000	18.1	19.1	21.3	23.4	25.5	25.5	26.6	29.8	30.9	30.9	31.9	31.9	33.0	33.0	33.0	34.0
IV 16000	18.1	19.1	21.3	23.4	25.5	25.5	26.6	29.8	30.9	30.9	31.9	31.9	33.0	33.0	33.0	34.0
IV 14000	18.1	19.1	21.3	23.4	25.5	25.5	26.6	29.8	30.9	30.9	31.9	31.9	33.0	33.0	33.0	34.0
IV 12000	18.1	19.1	21.3	23.4	25.5	25.5	26.6	29.8	30.9	30.9	31.9	31.9	33.0	33.0	33.0	34.0
IV 10000	18.1	19.1	21.3	23.4	25.5	25.5	26.6	29.8	30.9	30.9	31.9	31.9	33.0	33.0	33.0	34.0
IV 9000	18.1	19.1	21.3	23.4	25.5	25.5	26.6	29.8	30.9	30.9	31.9	31.9	33.0	33.0	33.0	34.0
IV 8000	20.2	23.4	25.5	28.7	30.9	30.9	31.9	35.1	36.2	36.2	37.2	37.2	38.3	38.3	38.3	39.4
IV 7000	20.2	23.4	25.5	28.7	31.9	31.9	33.0	36.2	37.2	37.2	38.3	38.3	39.4	39.4	39.4	40.4
IV 6000	20.2	23.4	25.5	28.7	31.9	31.9	33.0	36.2	37.2	37.2	38.3	38.3	39.4	39.4	39.4	40.4
IV 5000	22.3	25.5	27.7	30.9	34.0	34.0	35.1	38.3	39.4	39.4	40.4	40.4	41.5	41.5	41.5	42.6
IV 4500	23.4	26.6	28.7	31.9	35.1	35.1	36.2	39.4	40.4	40.4	41.5	41.5	42.6	42.6	42.6	43.6
IV 4000	25.5	29.8	31.9	36.2	40.4	41.5	42.6	45.7	46.8	46.8	47.9	47.9	48.9	48.9	48.9	50.0
IV 3500	27.7	34.0	36.2	40.4	44.7	45.7	46.8	51.1	52.1	52.1	54.3	54.3	55.3	55.3	55.3	56.4
IV 3000	30.9	38.3	40.4	45.7	52.1	53.2	54.3	59.6	61.7	61.7	63.8	63.8	64.9	64.9	64.9	66.0
IV 2500	33.0	41.5	43.6	50.0	56.4	57.4	58.5	63.8	66.0	66.0	68.1	68.1	69.1	69.1	69.1	70.2
IV 2000	34.0	42.6	44.7	51.1	57.4	58.5	59.6	64.9	67.0	67.0	69.1	69.1	70.2	70.2	70.2	71.3
IV 1800	34.0	42.6	44.7	51.1	57.4	58.5	59.6	64.9	67.0	67.0	69.1	69.1	70.2	70.2	70.2	71.3
IV 1500	34.0	42.6	44.7	51.1	57.4	58.5	59.6	64.9	67.0	67.0	69.1	69.1	70.2	70.2	70.2	71.3
IV 1200	37.2	45.7	47.9	56.4	62.8	63.8	64.9	70.2	72.3	72.3	74.5	74.5	75.5	75.5	75.5	76.6
IV 1000	37.2	45.7	47.9	56.4	62.8	63.8	64.9	71.3	73.4	73.4	75.5	75.5	76.6	77.7	77.7	78.7
IV 900	38.3	46.8	48.9	58.5	64.9	66.0	67.0	73.4	75.5	75.5	77.7	77.7	78.7	79.8	79.8	80.9
IV 800	38.3	46.8	48.9	58.5	66.0	67.0	69.1	75.5	77.7	77.7	79.8	79.8	80.9	81.9	81.9	83.0
IV 700	39.4	46.8	48.9	58.5	66.0	67.0	69.1	75.5	77.7	77.7	79.8	79.8	80.9	81.9	81.9	83.0
IV 600	38.3	46.8	48.9	58.5	66.0	67.0	69.1	75.5	77.7	77.7	79.8	79.8	80.9	81.9	81.9	83.0
IV 500	38.3	46.8	48.9	58.5	66.0	67.0	69.1	75.5	77.7	77.7	79.8	79.8	80.9	81.9	81.9	83.0
IV 400	38.3	46.8	48.9	58.5	66.0	67.0	69.1	75.5	77.7	77.7	79.8	79.8	80.9	81.9	81.9	83.0
IV 300	38.3	46.8	48.9	59.6	67.0	68.1	70.2	76.6	79.8	79.8	81.9	81.9	83.0	84.0	84.0	87.2
IV 200	38.3	46.8	48.9	59.6	67.0	68.1	70.2	76.6	79.8	79.8	81.9	81.9	83.0	84.0	84.0	89.4
IV 100	38.3	46.8	48.9	59.6	67.0	68.1	70.2	76.6	79.8	79.8	81.9	81.9	83.0	84.0	84.0	97.9
IV 0	38.3	46.8	48.9	59.6	67.0	68.1	70.2	76.6	79.8	79.8	81.9	81.9	83.0	84.0	84.0	100.0

TOTAL NUMBER OF OBSERVATIONS 94

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

100335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

0CT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	9.1	12.0	14.1	16.6	18.8	19.7	20.0	20.6	20.9	21.6	22.2	22.7	23.1	23.4	24.2	24.7
≥ 20000	9.7	12.9	15.2	17.7	19.9	20.8	21.1	22.0	22.7	23.4	24.0	24.7	25.0	25.4	26.1	26.7
≥ 18000	9.8	13.2	15.6	18.2	20.4	21.3	21.6	22.5	23.3	24.0	24.5	25.2	25.6	25.9	26.7	27.4
≥ 16000	9.8	13.2	15.6	18.2	20.4	21.3	21.6	22.5	23.3	24.0	24.5	25.2	25.6	25.9	26.7	27.4
≥ 14000	9.8	13.2	15.6	18.2	20.4	21.3	21.6	22.5	23.3	24.0	24.5	25.2	25.6	25.9	26.7	27.4
≥ 12000	10.0	13.4	15.9	18.6	20.8	21.6	22.0	22.9	23.6	24.3	24.9	25.6	25.9	26.3	27.7	27.7
≥ 10000	10.6	14.1	16.8	20.0	22.4	23.3	23.6	24.5	25.2	25.9	26.5	27.4	27.7	28.3	29.0	29.7
≥ 9000	10.6	14.1	16.8	20.4	22.7	23.6	24.0	24.9	25.6	26.3	26.8	27.7	28.1	28.6	29.3	30.1
≥ 8000	13.2	16.8	19.7	24.2	26.7	27.5	27.9	28.8	29.5	30.2	30.8	31.8	32.2	32.9	33.6	34.3
≥ 7000	14.1	18.1	20.9	25.4	27.9	28.8	29.3	30.4	31.1	32.2	32.7	33.8	34.3	35.1	35.8	36.5
≥ 6000	14.1	18.2	21.1	25.6	28.1	29.0	29.5	30.6	31.3	32.4	32.9	34.0	34.5	35.2	36.0	36.7
≥ 5000	14.8	19.5	22.4	26.8	29.3	30.2	30.8	31.8	32.6	33.8	34.7	36.0	36.5	37.2	37.9	38.6
≥ 4500	15.7	20.9	24.3	29.2	31.8	32.9	33.8	34.9	35.6	36.9	37.7	39.0	39.5	40.4	41.1	41.9
≥ 4000	17.7	23.6	27.5	34.0	37.6	39.0	40.3	41.9	42.8	44.2	45.1	46.3	46.9	47.8	48.5	49.2
≥ 3500	19.5	26.7	31.1	38.1	41.9	43.5	44.9	46.5	47.4	48.8	49.7	51.0	51.5	52.6	53.3	54.0
≥ 3000	22.0	29.9	34.5	43.5	47.6	49.4	51.5	53.8	54.9	56.7	57.6	59.0	60.3	61.5	62.4	63.1
≥ 2500	23.3	31.7	36.5	46.0	50.8	52.6	54.7	57.2	58.5	60.3	61.2	62.6	63.9	65.3	66.2	66.9
≥ 2000	26.7	36.0	41.1	50.8	56.4	58.1	60.3	62.8	64.0	66.0	66.9	68.3	69.6	71.2	72.1	72.8
≥ 1800	27.0	36.7	41.9	51.5	57.2	59.2	61.4	63.9	65.1	67.1	68.0	69.4	70.7	72.3	73.2	73.9
≥ 1500	27.7	38.6	43.8	53.7	59.7	61.7	63.9	66.5	68.0	70.5	71.4	72.8	74.1	75.7	76.6	77.3
≥ 1200	28.4	39.7	45.1	55.8	62.1	64.0	66.4	69.1	70.7	73.2	74.1	75.5	76.9	78.5	79.4	80.1
≥ 1000	28.4	39.7	45.1	56.0	62.4	64.4	66.9	69.9	71.6	74.2	75.1	76.7	78.2	80.0	81.0	81.8
≥ 900	28.6	39.9	45.6	56.9	63.3	65.3	67.8	70.8	72.5	75.1	76.0	77.6	79.1	80.9	81.9	82.6
≥ 800	28.6	39.9	45.6	57.4	64.2	66.4	69.1	72.1	73.7	76.4	77.3	78.9	80.3	82.1	83.2	83.9
≥ 700	28.6	39.9	45.6	57.6	64.4	66.5	69.4	72.8	74.4	77.1	78.2	79.8	81.4	83.2	84.3	85.0
≥ 600	28.6	39.9	45.6	57.6	64.4	66.5	69.4	73.2	75.0	77.6	78.7	80.3	81.9	83.7	84.8	85.5
≥ 500	28.6	39.9	45.6	57.6	64.4	66.5	69.6	73.3	75.3	78.0	79.1	80.7	82.3	84.1	85.2	85.9
≥ 400	28.6	39.9	45.6	57.8	64.6	66.7	70.1	73.9	75.8	78.5	79.6	81.2	82.8	84.6	85.7	86.4
≥ 300	28.6	39.9	45.6	58.0	64.8	66.9	70.3	74.2	76.2	79.6	80.7	82.3	84.1	86.0	87.1	88.0
≥ 200	28.6	39.9	45.6	58.0	64.8	66.9	70.3	74.2	76.2	79.6	80.7	82.5	84.4	87.3	89.6	92.3
≥ 100	28.6	39.9	45.6	58.0	64.8	66.9	70.3	74.2	76.2	79.6	80.7	82.5	84.4	87.8	91.2	97.3
≥ 0	28.6	39.9	45.6	58.0	64.8	66.9	70.3	74.2	76.2	79.6	80.7	82.5	84.4	87.8	91.2	100.0

TOTAL NUMBER OF OBSERVATIONS 559

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

104335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-1999  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01	≥ 0
NO CEILING	8.9	10.4	11.1	13.4	15.6	16.1	17.2	17.5	18.2	18.8	18.9	19.1	19.6	19.8	20.0	20.1
≥ 20000	10.1	11.3	12.5	15.5	18.2	18.9	20.1	20.7	21.4	22.0	22.2	22.4	22.9	23.1	23.3	23.4
IV 18000	10.2	12.0	12.7	15.6	18.4	19.1	20.3	20.8	21.5	22.2	22.4	22.6	23.1	23.3	23.4	23.6
IV 16000	10.2	12.0	12.7	15.6	18.4	19.1	20.3	20.8	21.5	22.2	22.4	22.6	23.1	23.3	23.4	23.6
IV 14000	10.4	12.2	12.9	15.8	18.6	19.3	20.5	21.0	21.7	22.4	22.6	22.7	23.3	23.4	23.6	23.8
IV 12000	10.4	12.2	13.2	16.5	19.6	20.3	21.5	22.0	22.7	23.4	23.6	23.8	24.3	24.5	24.7	24.8
IV 10000	11.6	13.5	15.1	19.6	23.1	23.8	25.0	25.5	26.2	26.9	27.1	27.3	27.8	28.0	28.1	28.3
IV 9000	11.6	13.5	15.1	19.6	23.1	23.8	25.0	25.7	26.4	27.1	27.3	27.4	28.0	28.1	28.3	28.5
IV 8000	14.1	16.1	17.7	23.4	27.6	28.5	29.7	30.7	31.4	32.1	32.3	32.5	33.0	33.2	33.3	33.5
IV 7000	15.3	17.4	18.9	25.3	29.5	30.6	31.8	33.0	33.7	34.4	34.5	34.7	35.2	35.4	35.6	35.8
IV 6000	15.3	17.4	18.9	25.3	29.5	30.6	31.8	33.0	33.7	34.4	34.5	34.7	35.2	35.4	35.6	35.8
IV 5000	15.5	17.9	19.4	26.6	30.9	32.1	33.3	34.9	35.6	36.3	36.5	36.8	37.3	37.5	37.7	37.8
IV 4500	15.9	18.6	20.1	27.3	32.3	33.7	34.9	36.5	37.2	37.8	38.0	38.4	38.9	39.1	39.2	39.4
IV 4000	18.9	22.6	25.0	33.7	38.7	40.5	41.7	43.4	44.1	44.8	45.0	45.3	45.0	46.2	46.4	46.5
IV 3500	22.7	27.1	30.2	39.6	45.1	46.9	48.1	50.0	50.7	51.4	51.7	52.1	52.8	53.1	53.3	53.5
IV 3000	26.0	31.3	34.4	45.7	51.7	53.8	55.4	57.6	58.5	59.7	60.1	60.4	61.5	61.8	62.2	62.7
IV 2500	28.5	34.2	37.5	49.5	55.7	57.8	59.4	61.8	62.7	64.1	64.4	64.8	65.8	66.1	66.5	67.0
IV 2000	29.9	35.9	39.2	51.9	58.7	60.9	62.5	65.1	66.0	67.5	67.9	68.2	69.3	69.6	70.3	70.8
IV 1800	30.4	36.8	40.1	53.5	60.2	62.5	64.2	67.4	68.2	69.8	70.1	70.5	71.5	71.9	72.6	73.1
IV 1500	31.3	37.8	41.1	54.7	61.6	63.9	66.7	69.8	70.7	72.2	72.6	72.9	74.0	74.3	75.0	75.5
IV 1200	31.6	38.5	42.2	56.1	63.7	66.0	68.8	71.9	72.7	74.7	75.0	75.3	76.4	76.7	77.4	78.0
IV 1000	31.9	38.7	42.4	56.6	64.6	66.8	69.8	73.1	74.3	76.6	76.9	77.6	78.6	79.2	79.9	80.4
IV 900	31.9	38.7	42.4	57.1	65.1	67.7	70.7	74.0	75.3	77.6	78.0	78.6	79.7	80.6	81.3	81.8
IV 800	32.3	39.1	42.7	57.5	65.5	68.2	71.2	74.5	76.0	78.5	78.8	79.7	80.7	81.6	82.3	82.8
IV 700	32.3	39.1	42.7	57.5	65.5	68.4	71.4	74.7	76.2	79.0	79.5	80.4	81.4	82.3	83.0	83.5
IV 600	32.3	39.1	42.7	57.5	66.0	68.9	71.9	75.3	77.1	80.0	80.6	81.4	82.5	83.3	84.0	84.5
IV 500	32.3	39.1	42.7	57.5	66.0	68.9	71.9	75.7	77.8	81.4	81.9	82.8	83.9	84.7	85.4	85.9
IV 400	32.3	39.1	42.7	57.5	66.3	69.3	72.2	76.2	78.5	82.8	83.3	84.2	85.4	86.5	87.2	87.8
IV 300	32.5	39.2	42.9	57.6	66.5	69.4	72.4	76.4	79.0	83.3	84.0	85.2	86.8	88.0	88.7	89.8
IV 200	32.5	39.2	42.9	57.6	66.5	69.4	72.4	76.7	79.3	83.9	84.7	85.9	87.5	89.9	91.0	93.2
IV 100	32.5	39.2	42.9	57.6	66.5	69.4	72.4	76.7	79.3	84.0	84.9	86.1	87.7	90.3	91.3	97.4
IV 0	32.5	39.2	42.9	57.6	66.5	69.4	72.4	76.7	79.3	84.0	84.9	86.1	87.7	90.3	91.5	100.0

TOTAL NUMBER OF OBSERVATIONS 576



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 6335 FINTHEN AAF, DL

73-81

CGT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .8	≥ .6	≥ .5	≥ .4	≥ .3	≥ 0
NO CEILING	10.1	11.1	12.3	17.6	19.4	19.6	20.3	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
≥ 20000	10.1	13.9	15.2	22.2	24.7	25.0	25.7	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
≥ 18000	10.2	14.1	15.3	22.4	24.9	25.2	25.9	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 16000	10.2	14.1	15.3	22.4	24.9	25.2	25.9	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 14000	10.2	14.1	15.3	22.4	24.9	25.2	25.9	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 12000	10.4	14.3	15.5	22.6	25.0	25.4	26.1	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
≥ 10000	12.7	16.6	18.2	26.3	28.7	29.1	29.8	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 9000	12.9	16.8	18.3	26.5	28.9	29.3	30.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 8000	15.9	19.9	21.5	31.6	34.2	34.6	35.3	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 7000	17.5	21.5	23.3	34.0	36.7	37.2	37.9	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 6000	17.5	21.5	23.3	34.0	36.7	37.2	37.9	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 5000	17.6	21.9	23.6	35.1	38.1	38.6	39.3	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 4500	18.9	24.0	25.7	37.2	40.2	40.7	41.4	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 4000	23.8	29.5	31.2	44.1	47.3	47.8	48.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 3500	27.2	32.8	34.7	49.0	52.4	52.9	53.6	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 3000	33.7	40.9	43.0	59.6	63.3	64.6	65.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 2500	34.9	43.2	45.3	62.3	66.5	67.7	69.7	71.1	71.1	71.4	71.4	71.4	71.4	71.8	71.8	71.8
≥ 2000	38.3	47.3	49.4	67.2	72.1	73.4	75.3	76.9	76.9	77.8	77.8	77.8	77.8	78.1	78.1	78.1
≥ 1800	38.4	48.1	50.3	68.3	73.4	74.6	76.5	78.1	78.1	79.0	79.0	79.0	79.0	79.4	79.4	79.4
≥ 1500	39.3	49.2	51.3	70.2	75.7	77.1	79.5	81.3	81.3	82.2	82.2	82.2	82.2	82.5	82.5	82.5
≥ 1200	39.7	50.3	52.4	72.1	78.1	80.1	82.9	84.7	84.7	85.5	85.5	85.5	85.5	86.1	86.1	86.1
≥ 1000	39.7	50.4	52.6	73.7	80.2	82.2	85.0	86.8	86.8	87.7	87.7	87.7	87.7	88.2	88.2	88.2
≥ 900	39.7	50.4	52.6	73.9	80.8	83.1	85.9	87.8	88.0	88.9	88.9	88.9	88.9	89.4	89.4	89.4
≥ 800	39.7	50.4	52.6	73.9	80.8	83.2	86.1	88.2	88.4	89.2	89.2	89.2	89.2	89.8	89.8	89.8
≥ 700	39.7	50.4	52.6	73.9	81.0	83.4	86.8	88.9	89.1	89.9	90.1	90.1	90.1	90.7	90.7	90.7
≥ 600	39.7	50.4	52.6	73.9	81.0	83.4	86.9	89.1	89.4	90.3	90.5	90.5	90.5	91.0	91.0	91.0
≥ 500	39.7	50.4	52.6	73.9	81.0	83.4	86.9	89.4	90.3	91.4	91.5	91.5	91.5	92.2	92.2	92.2
≥ 400	39.7	50.4	52.6	73.9	81.3	83.8	87.5	89.9	91.2	92.9	93.1	93.7	94.7	94.7	94.7	94.7
≥ 300	39.7	50.4	52.6	73.9	81.3	83.8	87.5	89.9	91.4	93.5	93.8	94.4	95.9	96.3	96.3	96.3
≥ 200	39.7	50.4	52.6	73.9	81.3	83.8	87.5	89.9	91.4	93.5	93.8	94.4	96.1	97.4	97.4	98.1
≥ 100	39.7	50.4	52.6	73.9	81.3	83.8	87.5	89.9	91.4	93.5	93.8	94.4	96.1	97.5	97.9	99.8
≥ 0	39.7	50.4	52.6	73.9	81.3	83.8	87.5	89.9	91.4	93.5	93.8	94.4	96.1	97.5	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 567

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

361  
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1507-1722  
SOLAR TIME

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	15.9	20.0	20.7	24.7	26.0	26.7	26.9	26.9	27.2	27.6	27.6	27.6	27.6	27.7	27.7	27.7
≥ 20000	16.2	23.0	23.9	28.6	30.4	31.1	31.3	31.3	31.6	32.0	32.0	32.0	32.0	32.2	32.2	32.2
IV 18000	18.6	23.5	24.4	29.2	30.9	31.6	31.8	31.8	32.2	32.5	32.5	32.5	32.5	32.7	32.7	32.7
IV 16000	18.6	23.5	24.4	29.2	30.9	31.6	31.8	31.8	32.2	32.5	32.5	32.5	32.5	32.7	32.7	32.7
IV 14000	18.7	23.7	24.6	29.3	31.1	31.8	32.0	32.0	32.3	32.7	32.7	32.7	32.7	32.9	32.9	32.9
IV 12000	19.8	24.9	26.7	30.7	32.5	33.2	33.4	33.4	33.7	34.1	34.1	34.1	34.1	34.3	34.3	34.3
IV 10000	22.8	27.9	29.2	34.3	36.0	36.9	37.1	37.1	37.5	37.8	37.8	37.8	37.8	38.0	38.0	38.0
IV 9000	23.1	28.3	29.5	34.8	36.6	37.5	37.6	37.6	38.0	38.3	38.3	38.3	38.3	38.5	38.5	38.5
IV 8000	27.0	32.9	34.6	40.1	42.8	44.0	44.2	44.2	44.5	44.9	44.9	44.9	44.9	45.1	45.1	45.1
IV 7000	29.3	35.2	36.9	43.1	45.8	47.0	47.3	47.3	47.7	48.1	48.1	48.1	48.1	48.2	48.2	48.2
IV 6000	29.3	35.2	36.9	43.1	45.8	47.0	47.3	47.3	47.7	48.1	48.1	48.1	48.1	48.2	48.2	48.2
IV 5000	31.3	37.1	38.9	45.4	48.1	49.3	49.6	49.6	50.0	50.4	50.4	50.4	50.4	50.5	50.5	50.5
IV 4500	32.0	38.9	40.6	47.3	50.2	51.4	51.8	51.8	52.1	52.5	52.5	52.5	52.5	52.7	52.7	52.7
IV 4000	37.6	45.8	48.1	55.8	59.0	60.2	60.6	60.6	61.3	61.7	61.7	61.7	61.7	61.8	61.8	61.8
IV 3500	41.2	50.4	52.7	61.5	64.7	65.9	66.4	66.4	67.1	67.5	67.5	67.5	67.5	67.7	67.7	67.7
IV 3000	45.6	55.8	58.8	69.4	72.8	75.1	76.5	77.0	77.9	78.3	78.3	78.3	78.3	78.4	78.4	78.4
IV 2500	47.7	58.5	61.5	72.4	75.8	78.1	79.5	80.0	80.9	81.3	81.3	81.3	81.3	81.4	81.4	81.4
IV 2000	49.1	60.8	64.1	76.0	80.0	82.3	83.7	84.3	85.3	86.0	86.0	86.0	86.0	86.2	86.2	86.2
IV 1800	49.5	61.5	65.0	76.9	80.9	83.2	84.6	85.2	86.2	86.9	86.9	86.9	86.9	87.1	87.1	87.1
IV 1500	49.8	62.0	65.5	78.4	82.9	85.3	86.9	87.5	88.5	89.2	89.2	89.2	89.2	89.4	89.4	89.4
IV 1200	50.4	63.1	66.8	80.7	85.3	88.2	89.8	90.3	91.3	92.0	92.0	92.0	92.0	92.2	92.2	92.2
IV 1000	50.4	63.4	67.1	81.1	85.7	88.5	90.1	90.8	91.9	92.8	92.8	92.8	92.8	92.9	92.9	92.9
IV 900	50.4	63.4	67.1	81.1	85.7	88.5	90.1	91.0	92.0	92.9	92.9	92.9	92.9	93.1	93.1	93.1
IV 800	50.4	63.4	67.1	81.1	85.7	88.5	90.1	91.0	92.0	92.9	92.9	92.9	92.9	93.1	93.1	93.1
IV 700	50.4	63.4	67.1	81.1	85.7	88.5	90.1	91.0	92.2	93.3	93.5	93.5	93.5	93.8	94.0	94.0
IV 600	50.4	63.4	67.1	81.1	85.7	88.5	90.1	91.0	92.2	93.5	93.6	93.6	93.6	94.0	94.5	94.5
IV 500	50.4	63.4	67.1	81.1	85.7	88.5	90.5	91.7	93.1	95.1	95.2	95.4	95.8	96.3	96.3	96.3
IV 400	50.4	63.4	67.1	81.1	85.7	88.5	90.5	91.7	93.1	95.1	95.2	95.4	96.1	96.6	96.6	96.6
IV 300	50.4	63.4	67.1	81.1	85.7	88.5	90.5	91.7	93.1	95.1	95.2	95.4	96.1	97.2	97.2	97.2
IV 200	50.4	63.4	67.1	81.1	85.7	88.5	90.5	91.7	93.1	95.1	95.2	95.4	96.1	97.9	98.6	98.6
IV 100	50.4	63.4	67.1	81.1	85.7	88.5	90.5	91.7	93.1	95.1	95.2	95.4	96.1	98.1	98.9	99.8
IV 0	50.4	63.4	67.1	81.1	85.7	88.5	90.5	91.7	93.1	95.1	95.2	95.4	96.1	98.1	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 566

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10 335 FINTHEN AAF, DL

73-81

201

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-2000  
HOURS

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	23.1	27.7	28.4	32.4	33.4	34.5	35.1	36.6	37.4	37.6	37.6	37.6	37.6	37.8	38.2	39.2
≥20000	25.4	31.5	31.1	35.7	37.2	38.7	39.3	41.2	41.9	42.0	42.0	42.0	42.0	42.2	42.9	43.1
≥18000	25.6	30.7	31.7	36.3	37.8	39.3	39.9	41.8	42.4	42.6	42.6	42.6	42.6	42.9	43.5	43.7
≥16000	25.6	30.7	31.7	36.3	37.8	39.3	39.9	41.8	42.4	42.6	42.6	42.6	42.6	42.9	43.5	43.7
≥14000	25.6	30.7	31.7	36.3	37.8	39.3	39.9	41.8	42.4	42.6	42.6	42.6	42.6	42.9	43.5	43.7
≥12000	27.1	32.4	33.4	38.0	39.5	41.0	41.6	43.5	44.1	44.3	44.3	44.3	44.3	44.5	45.2	45.4
≥10000	29.2	34.7	35.7	41.2	42.6	44.3	45.0	46.8	47.5	47.7	47.7	47.7	47.7	47.9	48.5	48.7
≥9000	29.2	34.7	35.7	41.2	42.6	44.3	45.0	46.8	47.5	47.7	47.7	47.7	47.7	47.9	48.5	48.7
≥8000	32.4	38.9	40.1	45.8	47.5	49.2	50.2	52.1	52.7	52.9	52.9	52.9	53.2	53.8	53.8	54.0
≥7000	35.1	42.4	43.7	49.8	52.3	54.0	55.0	56.9	57.6	57.8	57.8	57.8	58.0	58.6	58.6	58.8
≥6000	35.1	42.4	43.7	49.8	52.3	54.0	55.0	56.9	57.6	57.8	57.8	57.8	58.0	58.6	58.6	58.8
≥5000	37.8	45.2	46.4	52.5	55.0	56.7	57.8	59.7	60.3	60.5	60.5	60.5	60.5	60.7	61.3	61.6
≥4500	39.1	47.1	47.5	54.6	57.4	59.7	60.7	62.6	63.2	63.4	63.4	63.4	63.7	64.3	64.3	64.5
≥4000	42.1	51.5	53.4	61.1	63.9	66.2	67.2	69.1	69.7	70.0	70.0	70.0	70.2	70.8	70.8	71.0
≥3500	44.5	54.5	56.7	65.8	68.5	70.8	72.3	74.2	74.8	75.0	75.2	75.2	75.4	76.1	76.1	76.3
≥3000	46.5	60.1	62.0	72.5	75.2	77.7	79.6	81.5	82.6	83.0	83.8	83.8	84.5	85.1	85.1	85.3
≥2500	49.4	60.9	62.8	73.5	76.3	78.6	80.9	83.2	84.2	84.9	85.7	85.7	86.3	87.0	87.0	87.2
≥2000	50.2	62.2	64.3	76.5	79.6	82.4	84.9	87.4	88.7	89.3	90.1	90.1	90.8	91.4	91.4	91.6
≥1800	50.2	62.2	64.3	76.5	79.6	82.4	84.9	87.4	88.7	89.3	90.1	90.1	90.8	91.4	91.4	91.6
≥1600	50.2	62.2	64.3	76.5	79.6	82.4	84.9	87.4	88.7	89.3	90.1	90.1	90.8	91.4	91.4	91.6
≥1400	50.4	62.6	65.3	79.0	82.6	85.3	88.9	91.4	92.6	93.5	94.3	94.3	95.0	95.6	95.6	95.8
≥1200	50.6	63.0	65.5	79.2	82.8	85.5	89.1	91.6	92.9	93.7	94.5	94.5	95.2	95.8	95.8	96.0
≥1000	50.6	63.0	65.5	79.2	82.8	85.5	89.1	91.6	92.9	93.7	94.5	94.5	95.2	95.8	95.8	96.0
≥900	50.6	63.0	65.5	79.2	82.8	85.5	89.1	91.6	92.9	93.7	94.5	94.5	95.2	95.8	95.8	96.0
≥800	50.6	63.0	65.5	79.2	82.8	85.5	89.1	91.6	92.9	93.7	94.5	94.5	95.2	95.8	95.8	96.0
≥700	50.6	63.0	65.5	79.2	82.8	85.5	89.1	91.6	92.9	93.7	94.5	94.5	95.2	95.8	95.8	96.0
≥600	50.6	63.0	65.5	79.2	82.8	85.5	89.1	91.6	92.9	93.7	94.5	94.5	95.2	95.8	95.8	96.0
≥500	50.6	63.0	65.5	79.2	82.8	85.5	89.1	91.6	92.9	94.5	95.4	95.4	96.2	96.8	96.8	97.1
≥400	50.6	63.0	65.5	79.2	82.8	85.5	89.1	91.6	92.9	94.5	95.4	95.4	96.2	97.3	97.3	97.5
≥300	50.6	63.0	65.5	79.2	82.8	85.5	89.1	91.6	92.9	94.5	95.4	95.4	96.4	97.5	97.5	97.7
≥200	50.6	63.0	65.5	79.2	82.8	85.5	89.1	91.6	92.9	94.5	95.4	95.4	96.4	97.5	97.9	98.1
≥100	50.6	63.0	65.5	79.2	82.8	85.5	89.1	91.6	92.9	94.5	95.4	95.4	96.4	97.5	98.1	99.8
≥0	50.6	63.0	65.5	79.2	82.8	85.5	89.1	91.6	92.9	94.5	95.4	95.4	96.4	97.5	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 476

GLOBAL CLIMATOLOGY BRANCH  
 SAFETAC  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

104335 FINTHEN AAF, DL

73-61

CT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	12.9	16.0	17.1	20.6	22.4	23.0	23.6	24.2	24.7	25.0	25.2	25.3	25.6	25.8	26.0	26.1
≥ 20000	14.4	16.0	19.2	23.5	25.7	26.5	27.1	27.9	28.4	28.8	28.9	29.1	29.4	29.6	29.8	30.0
≥ 18000	14.7	18.3	19.6	23.9	26.1	26.6	27.5	28.3	28.8	29.1	29.3	29.5	29.7	30.0	30.2	30.4
≥ 6000	14.7	18.3	19.6	23.9	26.1	26.6	27.5	28.3	28.8	29.1	29.3	29.5	29.7	30.0	30.2	30.4
≥ 14000	14.4	18.4	19.7	24.0	26.2	27.0	27.6	28.4	28.9	29.2	29.4	29.6	29.8	30.1	30.3	30.5
≥ 12000	15.3	19.0	20.4	24.8	27.0	27.8	28.4	29.2	29.7	30.1	30.3	30.4	30.7	30.9	31.1	31.4
≥ 10000	17.1	20.9	22.5	27.7	30.1	30.9	31.5	32.3	32.8	33.2	33.3	33.5	33.9	34.1	34.2	34.5
≥ 9000	17.1	21.0	22.6	27.9	30.3	31.1	31.7	32.6	33.1	33.4	33.6	33.8	34.1	34.4	34.5	34.8
≥ 8000	20.1	24.4	26.1	32.5	35.2	36.2	36.9	37.7	38.2	38.6	38.8	39.0	39.3	39.6	39.4	40.0
≥ 7000	21.7	26.3	28.2	34.8	37.8	38.8	39.6	40.5	41.0	41.5	41.6	41.9	42.2	42.5	42.7	42.9
≥ 6000	21.3	26.3	28.2	34.9	37.8	38.8	39.6	40.6	41.1	41.5	41.7	41.9	42.2	42.5	42.7	43.0
≥ 5000	22.4	27.7	29.0	36.6	39.6	40.7	41.4	42.5	43.0	43.4	43.7	44.0	44.3	44.6	44.8	45.0
≥ 4500	23.3	29.2	31.2	38.4	41.6	42.9	43.7	44.7	45.2	45.7	46.0	46.3	46.6	46.9	47.1	47.4
≥ 4000	27.5	33.9	36.3	44.9	48.5	49.9	50.8	52.0	52.6	53.1	53.4	53.7	54.0	54.4	54.5	54.8
≥ 3500	30.5	37.7	40.4	50.0	53.7	55.2	56.2	57.5	58.1	58.6	59.0	59.3	59.6	60.0	60.2	60.5
≥ 3000	34.4	42.9	45.8	57.3	61.4	63.3	64.9	66.7	67.5	68.3	68.7	69.1	69.8	70.2	70.5	70.8
≥ 2500	36.2	45.1	48.1	60.0	64.4	66.3	68.1	70.0	70.9	71.8	72.2	72.6	73.3	73.7	74.0	74.3
≥ 2000	38.1	47.8	51.0	63.6	68.6	70.6	72.5	74.6	75.5	76.6	77.1	77.4	78.1	78.6	78.9	79.2
≥ 1800	38.6	48.5	51.7	64.6	69.6	71.7	73.6	75.7	76.6	77.8	78.2	78.6	79.2	79.8	80.1	80.4
≥ 1500	39.1	49.4	52.6	66.0	71.3	73.4	75.8	78.0	79.0	80.2	80.7	81.0	81.7	82.2	82.6	82.9
≥ 1200	39.7	50.3	53.8	68.0	73.7	76.0	78.5	80.8	81.7	83.1	83.5	83.9	84.6	85.2	85.5	85.8
≥ 1000	39.8	50.5	53.9	68.6	74.5	76.8	79.4	81.8	82.8	84.3	84.8	85.2	86.0	86.6	87.0	87.3
≥ 900	39.9	50.6	54.1	69.0	74.9	77.4	80.0	82.5	83.6	85.1	85.5	86.0	86.7	87.4	87.8	88.1
≥ 800	39.9	50.6	54.2	69.1	75.2	77.8	80.4	82.9	84.1	85.6	86.1	86.6	87.3	88.0	88.4	88.7
≥ 700	39.9	50.6	54.2	69.2	75.3	77.9	80.7	83.3	84.5	86.1	86.7	87.2	88.0	88.7	89.1	89.4
≥ 600	39.9	50.6	54.2	69.2	75.4	78.0	80.8	83.5	84.8	86.5	87.1	87.6	88.4	89.2	89.6	89.9
≥ 500	39.9	50.6	54.2	69.2	75.4	78.0	80.9	83.8	85.4	87.5	88.1	88.7	89.6	90.3	90.7	91.0
≥ 400	39.9	50.6	54.2	69.2	75.6	78.2	81.2	84.1	85.8	88.2	88.8	89.5	90.6	91.4	91.8	92.1
≥ 300	40.0	50.7	54.2	69.3	75.7	78.3	81.3	84.3	86.1	88.7	89.4	90.1	91.4	92.6	92.9	93.4
≥ 200	40.0	50.7	54.2	69.3	75.7	78.3	81.3	84.4	86.2	88.8	89.5	90.3	91.7	93.6	94.6	96.0
≥ 100	40.0	50.7	54.2	69.3	75.7	78.3	81.3	84.4	86.2	88.9	89.6	90.3	91.7	93.8	95.2	98.6
≥ 0	40.0	50.7	54.2	69.3	75.7	78.3	81.3	84.4	86.2	88.9	89.6	90.3	91.7	93.8	95.2	100.0

TOTAL NUMBER OF OBSERVATIONS 2838

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 1335 FINTHEN AAF, DL

73-78

NCV

STATION STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILE															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005
NO CEILING	21.5	22.5	23.7	23.7	25.8	26.9	28.0	29.0	29.0	30.1	31.2	31.2	31.2	31.2	31.2	31.2
≥ 20000	23.7	24.7	25.8	25.8	28.0	29.0	30.1	31.2	31.2	32.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 18000	23.7	24.7	25.8	25.8	28.0	29.0	30.1	31.2	31.2	32.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 16000	23.7	24.7	25.8	25.8	28.0	29.0	30.1	31.2	31.2	32.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 14000	23.7	24.7	25.8	25.8	28.0	29.0	30.1	31.2	31.2	32.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 12000	23.7	24.7	25.8	25.8	28.0	29.0	30.1	31.2	31.2	32.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 10000	24.7	26.9	28.0	28.0	30.1	31.2	32.3	33.3	33.3	34.4	35.5	35.5	35.5	35.5	35.5	35.5
≥ 9000	24.7	26.9	28.0	28.0	30.1	31.2	32.3	33.3	33.3	34.4	35.5	35.5	35.5	35.5	35.5	35.5
≥ 8000	26.0	30.1	31.2	32.3	34.4	35.5	36.6	37.6	37.6	38.7	39.8	39.8	39.8	39.8	39.8	39.8
≥ 7000	26.0	30.1	31.2	32.3	34.4	35.5	36.6	37.6	37.6	38.7	39.8	40.9	40.9	40.9	40.9	40.9
≥ 6000	28.0	30.1	31.2	32.3	34.4	35.5	36.6	37.6	37.6	38.7	39.8	40.9	40.9	40.9	40.9	40.9
≥ 5000	30.1	32.3	33.3	34.4	36.6	37.6	38.7	39.8	40.9	41.9	43.0	43.0	43.0	43.0	43.0	43.0
≥ 4500	31.2	33.3	34.4	35.5	37.6	38.7	39.8	40.9	41.9	43.0	44.1	44.1	44.1	44.1	44.1	44.1
≥ 4000	33.3	35.5	36.6	38.7	40.9	41.9	43.0	44.1	45.2	47.3	48.4	48.4	48.4	48.4	48.4	48.4
≥ 3500	37.6	39.8	40.9	46.2	48.4	49.5	50.6	51.6	52.7	54.8	55.9	55.9	55.9	55.9	55.9	55.9
≥ 3000	43.0	45.2	46.2	53.8	57.0	59.1	60.2	61.3	62.4	64.5	65.6	65.6	65.6	65.6	65.6	65.6
≥ 2500	45.2	47.3	48.4	55.9	59.1	61.3	62.4	63.4	64.5	66.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 2000	51.6	55.9	57.0	65.6	68.8	72.0	73.1	74.2	75.3	77.4	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1800	51.6	55.9	57.0	65.6	68.8	72.0	73.1	74.2	75.3	77.4	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1500	55.9	61.3	62.4	71.0	74.2	77.4	78.5	79.6	80.6	82.8	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200	55.9	61.3	62.4	72.0	76.3	79.6	80.6	82.8	83.9	86.0	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	57.0	62.4	63.4	74.2	79.6	82.8	83.9	86.0	87.1	89.2	90.3	90.3	90.3	90.3	90.3	90.3
≥ 900	58.1	63.4	64.5	75.3	80.6	83.9	84.9	87.1	88.2	90.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 800	58.1	63.4	64.5	75.3	80.6	83.9	84.9	87.1	88.2	90.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 700	58.1	63.4	64.5	75.3	80.6	83.9	84.9	87.1	88.2	90.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 600	58.1	63.4	64.5	75.3	80.6	83.9	84.9	87.1	88.2	90.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 500	58.1	63.4	64.5	75.3	80.6	83.9	84.9	88.2	89.2	91.4	92.5	92.5	92.5	92.5	92.5	92.5
≥ 400	58.1	63.4	64.5	75.3	80.6	83.9	86.0	89.2	90.3	92.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 300	58.1	63.4	64.5	75.3	80.6	83.9	86.0	90.3	91.4	93.5	94.6	94.6	94.6	94.6	95.7	95.7
≥ 200	58.1	63.4	64.5	75.3	80.6	83.9	86.0	90.3	91.4	93.5	94.6	94.6	94.6	95.7	96.8	96.8
≥ 100	58.1	63.4	64.5	75.3	80.6	83.9	86.0	90.3	91.4	93.5	94.6	94.6	95.7	96.8	98.9	98.9
≥ 0	58.1	63.4	64.5	75.3	80.6	83.9	86.0	90.3	91.4	93.5	94.6	94.6	95.7	96.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14335 FINTHEN AAF, DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2600-0630  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	12.6	17.0	17.6	18.7	20.0	20.2	21.0	21.2	21.4	21.4	21.4	21.4	21.4	21.4	21.6	21.9
≥20000	13.2	17.6	18.1	19.3	20.6	20.8	21.8	22.1	22.3	22.3	22.3	22.5	22.5	22.5	22.7	23.1
IV 18000	13.2	17.6	18.3	19.5	20.8	21.0	21.9	22.3	22.5	22.5	22.5	22.7	22.7	22.7	22.9	23.3
IV 16000	13.4	17.7	18.5	19.7	21.0	21.2	22.1	22.5	22.7	22.7	22.7	22.9	22.9	22.9	23.1	23.5
IV 14000	13.4	17.7	18.5	19.7	21.0	21.2	22.1	22.5	22.7	22.7	22.7	22.9	22.9	22.9	23.1	23.5
IV 12000	13.4	17.7	18.7	20.0	21.4	21.6	22.5	22.9	23.1	23.1	23.1	23.3	23.3	23.3	23.5	23.9
IV 10000	13.7	18.5	19.8	21.4	22.7	22.9	24.0	24.4	24.6	24.6	24.6	24.8	24.8	24.8	25.0	25.4
IV 9000	13.9	18.9	20.2	21.8	23.1	23.3	24.6	25.0	25.2	25.2	25.2	25.4	25.4	25.4	25.6	26.0
IV 8000	15.6	21.6	23.3	25.4	26.9	27.1	28.4	28.8	29.0	29.0	29.0	29.2	29.2	29.2	29.4	29.8
IV 7000	17.0	22.9	24.6	26.7	28.2	28.4	29.8	30.5	30.7	30.7	30.7	30.9	30.9	30.9	31.1	31.5
≥6000	17.0	22.9	24.6	26.7	28.2	28.4	29.8	30.5	30.7	30.7	30.7	30.9	30.9	30.9	31.1	31.5
IV 5000	17.7	23.7	25.4	27.5	29.0	29.2	30.5	31.3	31.5	31.5	31.7	31.9	31.9	31.9	32.1	32.4
IV 4500	18.3	24.8	26.5	28.8	30.5	31.1	32.4	33.4	33.6	33.6	33.8	34.0	34.0	34.0	34.2	34.5
IV 4000	21.2	27.9	30.0	32.8	34.9	35.5	36.8	38.2	38.4	38.5	38.7	38.9	38.9	38.9	39.1	39.5
IV 3500	27.1	34.4	36.5	40.1	42.7	43.5	45.6	46.9	47.1	47.3	47.5	47.7	47.7	47.7	47.9	48.3
IV 3000	30.9	38.9	41.4	47.5	50.8	51.9	54.0	55.7	55.9	56.3	56.5	56.7	56.7	56.7	56.9	57.4
IV 2500	34.0	42.2	44.7	51.1	54.6	55.7	57.8	59.7	59.9	60.3	60.5	60.7	60.7	60.7	60.9	61.6
IV 2000	37.2	46.9	49.4	57.4	61.1	62.2	64.7	67.0	67.2	67.7	67.9	68.1	68.3	68.5	69.3	70.2
IV 1800	37.6	47.5	50.0	58.0	61.6	62.8	65.3	67.6	67.7	68.3	68.5	68.7	68.9	69.1	69.8	70.8
IV 1500	39.3	50.6	53.4	62.0	66.2	67.6	70.4	73.1	73.3	73.9	74.0	74.4	74.6	75.0	75.8	76.7
IV 1200	40.3	52.5	55.3	64.7	69.5	70.8	74.0	76.9	77.3	78.1	78.2	78.6	78.8	79.2	80.0	80.9
IV 1000	40.6	52.9	55.7	66.2	71.8	73.1	76.9	80.2	80.7	81.7	81.9	82.3	82.4	82.8	83.6	84.7
IV 900	40.8	53.1	55.9	67.0	72.5	73.9	77.9	81.5	82.1	83.0	83.2	83.6	83.8	84.2	84.9	86.1
IV 800	41.0	53.2	56.1	67.6	73.1	74.4	78.6	82.3	83.0	84.2	84.4	84.9	85.1	85.5	86.5	87.6
IV 700	41.2	53.6	56.5	67.9	73.5	74.8	79.0	82.8	83.6	84.7	84.9	85.5	85.7	86.1	87.0	88.2
IV 600	41.2	53.6	56.5	68.1	74.2	75.6	79.8	83.6	84.4	85.5	85.7	86.3	86.5	86.8	87.8	88.9
IV 500	41.2	53.6	56.5	68.3	74.4	75.8	80.2	84.4	85.3	87.0	87.2	87.8	88.4	88.9	90.1	91.2
IV 400	41.2	53.6	56.5	68.3	74.4	75.8	80.2	84.4	85.3	87.0	87.2	87.8	88.4	88.9	90.1	91.2
IV 300	41.2	53.6	56.5	68.3	74.4	75.8	80.2	84.4	85.3	87.0	87.2	87.8	88.4	88.9	90.1	91.2
IV 200	41.2	53.6	56.5	68.3	74.4	75.8	80.2	84.4	85.3	87.0	87.2	87.8	88.4	88.9	90.1	91.2
IV 100	41.2	53.6	56.5	68.3	74.4	75.8	80.2	84.4	85.3	87.0	87.2	87.8	88.4	88.9	90.1	91.2
IV 0	41.2	53.6	56.5	68.3	74.4	75.8	80.2	84.4	85.3	87.0	87.2	87.8	88.4	88.9	90.1	91.2

TOTAL NUMBER OF OBSERVATIONS 524

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF Weather Service/MAC

## CEILING VERSUS VISIBILITY

10335  
STATION

FINTHEN AAF, DL

73-81

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.3	≥0.2	≥0.1	≥0.05	≥0.03	≥0.01
NO CEILING	10.9	13.7	14.7	16.8	17.1	17.1	17.9	18.1	18.1	18.3	18.3	18.3	18.3	18.5	18.7	19.2
≥20000	11.0	14.9	16.0	18.3	18.7	18.7	19.6	20.2	20.2	20.6	20.6	20.6	20.6	20.8	21.0	21.5
≥18000	11.6	14.9	16.0	18.5	18.9	18.9	19.8	20.4	20.4	20.6	20.6	20.6	20.6	20.8	21.1	21.7
≥16000	11.6	14.9	16.0	18.5	18.9	18.9	19.8	20.4	20.4	20.6	20.6	20.6	20.6	20.8	21.1	21.7
≥14000	11.6	14.9	16.0	18.5	18.9	18.9	19.8	20.4	20.4	21.0	21.0	21.0	21.0	21.1	21.3	21.9
≥12000	11.6	14.9	16.0	18.9	19.4	19.4	20.4	21.0	21.0	21.5	21.5	21.5	21.5	21.7	21.9	22.5
≥10000	12.0	15.2	17.1	20.0	20.6	20.6	21.7	22.3	22.3	22.9	22.9	22.9	22.9	23.0	23.2	23.8
≥9000	13.1	16.6	18.5	21.3	21.9	21.9	23.0	23.6	23.6	24.2	24.2	24.2	24.2	24.4	24.6	25.1
≥8000	15.6	20.4	22.3	25.9	26.9	26.9	28.2	28.8	28.8	29.3	29.3	29.3	29.3	29.5	29.7	30.3
≥7000	17.1	22.1	24.0	27.8	29.0	29.0	30.3	31.0	31.0	31.8	31.8	31.8	31.8	32.0	32.2	32.8
≥6000	17.1	22.1	24.0	27.8	29.0	29.0	30.3	31.0	31.0	31.8	31.8	31.8	31.8	32.0	32.2	32.8
≥5000	17.5	22.5	24.4	28.2	29.5	29.5	30.9	31.6	31.6	32.4	32.4	32.4	32.4	32.6	32.8	33.3
≥4500	15.9	24.6	26.7	30.5	32.2	32.2	33.5	34.3	34.3	35.0	35.0	35.0	35.0	35.2	35.4	36.0
≥4000	21.7	28.6	30.9	36.2	38.1	38.1	40.0	41.0	41.1	42.1	42.1	42.1	42.1	42.3	42.5	43.0
≥3500	25.1	32.6	34.9	40.8	43.2	43.2	45.5	46.7	46.9	47.8	47.8	47.8	47.8	48.0	48.2	48.6
≥3000	30.5	38.9	41.1	48.4	52.2	52.2	55.2	56.6	56.8	57.7	57.7	57.7	57.7	57.9	58.1	58.7
≥2500	32.2	40.8	43.0	50.9	55.2	55.2	58.7	60.2	60.6	61.7	61.7	61.7	61.7	61.9	62.1	62.9
≥2000	36.8	46.3	49.3	58.1	63.0	63.0	66.9	68.8	69.1	70.5	70.5	70.7	70.9	71.0	71.4	72.0
≥1800	37.0	46.5	49.7	58.5	63.8	64.2	67.6	69.7	70.3	71.6	71.6	71.8	72.0	72.2	72.6	73.1
≥1500	39.0	49.3	52.6	62.3	67.6	68.2	71.8	74.3	75.0	76.4	76.4	77.0	77.1	77.5	77.9	78.5
≥1200	40.0	50.3	53.9	65.1	71.8	72.6	77.0	79.6	80.4	81.7	81.7	82.3	82.5	83.2	83.6	84.2
≥1000	40.0	50.3	53.9	65.5	72.8	73.5	77.9	80.8	81.7	83.2	83.2	83.8	84.0	84.8	85.1	85.7
≥900	40.0	50.3	53.9	65.5	72.8	73.5	77.9	80.8	81.7	83.2	83.2	83.8	84.0	84.8	85.1	85.7
≥800	40.4	50.7	54.3	65.9	73.1	73.9	78.5	81.3	82.3	83.8	83.8	84.4	84.6	85.3	85.7	86.3
≥700	40.4	50.7	54.5	66.1	73.3	74.1	78.7	81.5	82.7	84.2	84.2	85.0	85.1	85.9	86.3	86.9
≥600	40.4	50.7	54.5	66.1	73.7	74.5	79.0	82.7	83.8	85.7	85.9	86.7	86.9	87.6	88.0	88.6
≥500	40.4	50.7	54.5	66.1	73.7	74.5	79.4	83.6	84.8	86.9	87.0	88.0	88.6	89.3	89.7	90.3
≥400	40.4	50.7	54.5	66.1	73.7	74.5	79.4	83.6	85.0	87.6	88.6	89.5	90.1	90.9	91.8	92.8
≥300	40.4	50.7	54.5	66.1	73.7	74.5	79.4	83.6	85.0	88.0	89.3	90.3	90.9	91.6	93.1	94.1
≥200	40.4	50.7	54.5	66.1	73.7	74.5	79.4	83.6	85.0	88.0	89.3	90.5	91.2	92.4	94.3	97.3
≥100	40.4	50.7	54.5	66.1	73.7	74.5	79.4	83.6	85.0	88.0	89.3	90.5	91.2	92.6	94.7	99.4
≥0	40.4	50.7	54.5	66.1	73.7	74.5	79.4	83.6	85.0	88.0	89.3	90.5	91.2	92.6	94.7	100.0

TOTAL NUMBER OF OBSERVATIONS 525

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

10335

FINTHEN AAF, DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	12.5	14.3	14.8	18.4	19.1	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.5	19.5	19.7
≥ 20000	14.6	16.7	17.4	21.8	22.7	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	23.1	23.1	23.3
≥ 18000	14.6	16.7	17.4	22.0	22.9	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.3	23.3	23.5
≥ 16000	14.6	16.7	17.4	22.0	22.9	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.3	23.3	23.5
≥ 14000	15.0	17.1	17.8	22.3	23.3	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.6	23.6	23.8
≥ 12000	15.9	18.0	18.9	24.0	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.3	25.3	25.5
≥ 10000	16.3	18.6	19.5	25.1	26.1	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.5	26.5	26.6
≥ 9000	17.1	19.3	20.3	25.9	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.2	27.4	27.6
≥ 8000	20.5	23.5	24.8	31.3	32.5	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	33.0	33.2	33.4
≥ 7000	22.1	25.1	26.5	34.0	35.6	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.2	36.4	36.6
≥ 6000	22.3	25.3	26.6	34.5	36.2	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.8	37.0	37.1
≥ 5000	22.7	25.7	27.0	35.8	37.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	38.1	38.3	38.5
≥ 4500	24.0	27.2	28.7	37.5	39.6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.2	40.3	40.5
≥ 4000	29.3	33.3	34.5	44.5	46.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.5	47.7	47.8
≥ 3500	33.0	37.0	38.5	49.9	52.0	52.9	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8	54.0	54.2
≥ 3000	38.6	43.5	45.7	58.5	60.8	61.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.2	63.4	64.0
≥ 2500	41.8	47.5	49.2	62.9	65.1	66.2	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.7	67.9	68.5
≥ 2000	46.3	52.3	54.2	68.9	71.7	73.0	74.3	74.9	74.9	74.9	74.9	75.0	75.0	75.6	75.8	76.4
≥ 1800	46.5	52.5	54.6	69.6	72.4	73.7	75.0	75.8	75.8	75.8	76.0	76.0	76.0	76.5	76.7	77.3
≥ 1500	46.9	53.5	55.5	72.2	75.2	76.7	78.0	79.4	79.4	79.4	79.7	79.7	79.7	80.3	80.5	81.1
≥ 1200	47.5	54.4	56.5	74.9	79.4	81.4	82.9	84.2	84.2	84.4	84.8	84.8	84.8	85.4	85.6	86.1
≥ 1000	47.8	54.8	57.0	75.6	80.1	82.4	84.4	85.7	85.7	85.9	86.3	86.3	86.3	86.9	87.1	87.6
≥ 900	47.8	54.8	57.0	75.6	80.1	82.4	84.4	85.7	85.7	85.9	86.3	86.3	86.3	86.9	87.1	87.6
≥ 800	47.8	54.8	57.0	75.6	80.1	82.4	84.4	85.7	85.7	85.9	86.3	86.3	86.3	86.9	87.1	87.6
≥ 700	47.8	54.8	57.0	75.6	80.5	82.9	85.6	87.4	87.8	88.2	88.6	88.6	88.6	89.3	89.5	90.1
≥ 600	47.8	54.8	57.0	75.6	80.9	83.3	86.5	88.7	89.1	89.5	89.9	89.9	89.9	90.6	90.8	91.4
≥ 500	47.8	54.8	57.0	75.6	80.9	83.5	87.1	89.3	89.7	90.1	90.4	90.4	90.4	91.2	91.4	92.1
≥ 400	47.8	54.8	57.0	75.6	81.1	83.7	87.2	89.5	89.9	90.4	91.0	91.0	91.0	91.9	93.1	94.6
≥ 300	47.8	54.8	57.0	75.6	81.1	83.7	87.4	89.7	90.1	90.8	91.4	91.6	91.6	93.1	94.4	95.9
≥ 200	47.8	54.8	57.0	75.6	81.1	83.7	87.4	89.7	90.1	91.0	91.6	91.7	91.7	93.2	95.1	96.1
≥ 100	47.8	54.8	57.0	75.6	81.1	83.7	87.4	89.7	90.1	91.0	91.6	91.7	91.7	93.2	95.5	97.2
≥ 0	47.8	54.8	57.0	75.6	81.1	83.7	87.4	89.7	90.1	91.0	91.6	91.7	91.7	93.2	95.5	97.2

TOTAL NUMBER OF OBSERVATIONS 533



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 335 FINTHEN AAF, DL

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	11.8	15.0	15.6	18.1	18.3	18.4	18.6	18.6	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
≥ 20000	15.4	18.8	19.6	24.3	24.5	24.7	25.1	25.3	25.7	25.9	26.0	26.0	26.0	26.0	26.0	26.0
≥ 18000	15.8	19.2	20.0	24.9	25.1	25.3	25.7	25.9	26.2	26.4	26.6	26.6	26.6	26.6	26.6	26.6
≥ 16000	15.8	19.2	20.0	24.9	25.1	25.3	25.7	25.9	26.2	26.4	26.6	26.6	26.6	26.6	26.6	26.6
≥ 14000	15.8	19.2	20.0	24.9	25.1	25.3	25.7	25.9	26.2	26.4	26.6	26.6	26.6	26.6	26.6	26.6
≥ 12000	16.0	19.4	20.2	26.2	26.4	26.6	27.2	27.4	27.8	27.9	28.1	28.1	28.1	28.1	28.1	28.1
≥ 10000	17.5	21.3	22.1	29.7	29.8	30.0	30.8	31.0	31.4	31.6	31.7	31.7	31.7	31.7	31.7	31.7
≥ 9000	17.7	21.5	22.2	30.0	30.2	30.4	31.2	31.4	31.7	31.9	32.1	32.1	32.1	32.1	32.1	32.1
≥ 8000	21.9	26.0	27.2	35.9	36.1	36.3	37.1	37.3	37.6	37.8	38.0	38.0	38.0	38.0	38.0	38.0
≥ 7000	24.3	28.5	29.7	39.2	39.4	39.5	40.3	40.5	40.9	41.1	41.3	41.3	41.3	41.3	41.3	41.3
≥ 6000	24.7	28.9	30.0	39.5	39.7	39.9	40.7	40.9	41.3	41.4	41.6	41.6	41.6	41.6	41.6	41.6
≥ 5000	25.7	29.8	31.3	40.7	40.9	41.1	41.8	42.0	42.4	42.6	42.8	42.8	43.2	43.2	43.2	43.2
≥ 4500	26.8	31.2	32.3	42.4	42.6	42.8	43.5	43.7	44.1	44.3	44.5	44.5	44.9	44.9	44.9	44.9
≥ 4000	30.0	35.4	36.5	48.1	48.3	48.9	49.6	50.0	50.8	51.0	51.1	51.1	51.5	51.5	51.5	51.5
≥ 3500	34.8	40.3	41.6	53.8	54.2	55.3	56.3	56.7	57.6	57.8	58.0	58.0	58.4	58.4	58.4	58.4
≥ 3000	42.0	48.7	50.0	63.3	63.9	65.0	66.3	66.7	67.7	67.9	68.1	68.1	68.4	68.4	68.4	68.4
≥ 2500	44.1	51.3	53.0	66.7	67.5	68.6	70.0	70.3	71.3	71.5	71.7	71.7	72.1	72.1	72.1	72.1
≥ 2000	48.5	55.9	57.6	71.9	73.0	74.3	75.9	76.4	77.4	77.6	77.8	77.8	78.1	78.1	78.1	78.1
≥ 1800	48.7	56.5	58.2	72.4	73.6	74.9	76.6	77.2	78.1	78.3	78.5	78.5	78.9	78.9	78.9	78.9
≥ 1500	48.9	57.2	58.9	73.2	74.5	75.9	77.8	78.9	79.8	80.2	80.6	80.6	81.0	81.0	81.2	81.2
≥ 1200	49.8	58.4	60.1	75.9	78.5	80.2	82.1	83.3	84.2	85.0	85.4	85.4	85.7	85.7	85.9	85.9
≥ 1000	49.8	58.6	60.3	76.4	79.8	82.3	85.6	86.9	88.0	88.8	89.2	89.2	89.5	89.5	89.7	89.7
≥ 900	49.8	58.6	60.3	76.4	80.0	82.7	86.1	87.8	89.0	89.7	90.1	90.1	90.5	90.5	90.7	90.7
≥ 800	49.8	58.6	60.3	76.4	80.0	82.9	86.3	88.2	89.4	90.1	90.5	90.5	91.1	91.1	91.3	91.3
≥ 700	49.8	58.6	60.3	76.4	80.0	82.9	86.3	88.2	89.5	90.5	90.9	90.9	91.4	91.4	91.8	91.8
≥ 600	49.8	58.6	60.5	76.8	80.4	83.3	86.7	88.6	90.1	91.1	91.4	91.4	92.0	92.2	92.4	92.4
≥ 500	49.8	58.6	60.5	77.0	80.6	83.5	87.3	89.2	90.7	91.8	92.2	92.2	93.0	93.3	93.5	93.9
≥ 400	49.8	58.6	60.5	77.0	80.6	83.5	87.3	89.2	90.7	92.0	92.4	92.6	93.5	94.1	94.3	94.9
≥ 300	49.8	58.6	60.5	77.0	80.6	83.5	87.3	89.2	90.7	92.2	92.6	93.2	94.5	95.6	96.4	97.0
≥ 200	49.8	58.6	60.5	77.0	80.6	83.5	87.3	89.2	90.7	92.2	92.6	93.2	94.7	97.1	98.1	99.0
≥ 100	49.8	58.6	60.5	77.0	80.6	83.5	87.3	89.2	90.7	92.2	92.6	93.2	94.7	97.3	98.3	99.8
≥ 0	49.8	58.6	60.5	77.0	80.6	83.5	87.3	89.2	90.7	92.2	92.6	93.2	94.7	97.3	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 526

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

106335

FINTHEN AAF, DL

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2200  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	16.4	19.6	19.9	23.1	25.1	25.3	25.6	25.8	26.7	26.0	26.5	26.5	26.5	26.5	26.5	26.7
≥ 20000	16.0	21.7	21.9	27.4	29.7	29.9	30.4	30.6	30.8	30.8	31.3	31.3	31.3	31.3	31.3	31.7
IV ≥ 18000	19.0	21.7	21.9	27.4	29.7	29.9	30.4	30.6	30.8	30.8	31.3	31.3	31.3	31.3	31.3	31.7
IV ≥ 16000	18.0	21.7	21.9	27.4	29.7	29.9	30.4	30.6	30.8	30.8	31.3	31.3	31.3	31.3	31.3	31.7
IV ≥ 14000	18.0	21.7	21.9	27.4	29.7	29.9	30.4	30.6	30.8	30.8	31.3	31.3	31.3	31.3	31.3	31.7
IV ≥ 12000	18.9	22.8	23.1	28.5	30.8	31.1	31.7	32.0	32.2	32.2	32.6	32.6	32.6	32.6	32.6	33.1
IV ≥ 10000	21.0	24.9	25.1	31.1	33.3	33.6	34.2	34.5	34.7	34.7	35.2	35.2	35.2	35.2	35.2	35.6
IV ≥ 9000	21.2	25.1	25.3	31.3	33.6	33.8	34.5	34.7	34.9	34.9	35.4	35.4	35.4	35.4	35.4	35.8
IV ≥ 8000	24.0	28.3	28.8	34.7	37.7	37.9	38.6	38.8	39.0	39.0	39.5	39.5	39.5	39.5	39.5	40.0
IV ≥ 7000	25.3	29.9	30.4	37.0	40.0	40.2	40.9	41.1	41.3	41.3	41.8	41.8	41.8	41.8	41.8	42.2
IV ≥ 6000	25.8	30.4	30.8	37.4	40.4	40.6	41.3	41.6	41.8	41.8	42.2	42.2	42.2	42.2	42.2	42.7
IV ≥ 5000	26.5	32.0	32.4	39.0	42.0	42.2	42.9	43.2	43.4	43.4	43.8	43.8	43.8	43.8	43.8	44.3
IV ≥ 4500	27.6	33.3	33.7	41.6	44.5	44.7	45.4	45.7	45.9	45.9	46.3	46.3	46.3	46.3	46.3	46.8
IV ≥ 4000	30.6	38.1	38.6	46.6	49.8	50.0	50.9	51.1	52.1	52.1	52.5	52.5	52.5	52.5	52.5	53.0
IV ≥ 3500	35.4	44.1	44.5	55.3	58.4	58.7	59.6	59.8	60.7	60.7	61.2	61.2	61.2	61.2	61.2	61.6
IV ≥ 3000	41.6	51.8	52.7	63.9	67.8	68.0	68.9	69.4	70.5	70.5	71.0	71.0	71.0	71.0	71.0	71.5
IV ≥ 2500	43.4	54.1	55.0	66.9	71.0	71.2	72.1	72.6	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.7
IV ≥ 2000	47.0	57.8	58.7	70.8	76.0	76.3	77.6	78.3	79.5	79.5	79.9	79.9	79.9	79.9	79.9	80.4
IV ≥ 1800	47.0	57.8	58.7	70.8	76.0	76.3	77.6	78.3	79.5	79.5	79.9	79.9	79.9	79.9	79.9	80.4
IV ≥ 1500	48.6	60.0	61.0	73.3	78.8	79.0	80.6	81.3	82.4	82.4	82.9	82.9	82.9	82.9	82.9	83.8
IV ≥ 1200	49.5	61.2	62.1	74.9	81.1	81.3	82.9	83.6	84.9	85.2	85.6	85.6	85.6	85.6	85.6	86.5
IV ≥ 1000	49.5	61.4	62.3	75.6	83.6	84.0	86.1	87.2	88.6	89.3	90.0	90.0	90.0	90.0	90.0	90.9
IV ≥ 900	49.5	61.4	62.3	75.6	84.0	84.5	86.5	88.6	90.0	90.6	91.3	91.3	91.3	91.3	91.3	92.2
IV ≥ 800	49.5	61.4	62.3	75.8	84.2	84.7	86.8	88.8	90.2	90.9	91.6	91.6	91.6	91.6	91.6	92.5
IV ≥ 700	49.5	61.4	62.3	75.8	84.2	84.7	86.8	88.8	90.9	92.2	92.9	92.9	92.9	92.9	92.9	93.8
IV ≥ 600	49.5	61.4	62.3	75.8	84.2	84.7	86.8	88.8	90.9	92.2	92.9	92.9	92.9	92.9	92.9	93.8
IV ≥ 500	49.5	61.4	62.3	75.8	84.2	84.7	86.8	88.8	90.9	92.2	92.9	92.9	92.9	92.9	92.9	93.8
IV ≥ 400	49.5	61.4	62.3	75.8	84.2	84.7	86.8	88.8	90.9	92.2	92.9	92.9	92.9	92.9	92.9	93.8
IV ≥ 300	49.5	61.4	62.3	75.8	84.2	84.7	86.8	89.3	91.6	93.2	93.8	94.1	95.2	95.7	95.9	97.0
IV ≥ 200	49.5	61.4	62.3	75.8	84.2	84.7	86.8	89.3	91.6	93.2	93.8	94.1	95.2	97.5	97.7	98.9
IV ≥ 100	49.5	61.4	62.3	75.8	84.2	84.7	86.8	89.3	91.6	93.2	93.8	94.1	95.4	97.7	98.2	99.5
IV ≥ 0	49.5	61.4	62.3	75.8	84.2	84.7	86.8	89.3	91.6	93.2	93.8	94.1	95.4	97.7	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 438

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

106335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	13.7	16.0	16.6	19.0	20.0	20.2	20.6	20.7	20.8	20.9	21.0	21.0	21.0	21.1	21.3	21.5
≥ 20000	14.8	18.0	19.8	22.2	23.2	23.4	23.9	24.3	24.4	24.6	24.7	24.7	24.7	24.9	25.0	25.3
≥ 18000	14.9	18.1	18.9	22.4	23.4	23.6	24.2	24.5	24.6	24.8	24.9	25.0	25.0	25.1	25.2	25.5
≥ 16000	14.9	18.2	18.9	22.4	23.5	23.6	24.2	24.5	24.7	24.8	25.0	25.0	25.0	25.1	25.2	25.5
≥ 14000	15.0	18.2	19.0	22.5	23.5	23.7	24.3	24.6	24.7	24.9	25.1	25.1	25.1	25.2	25.4	25.7
≥ 12000	15.3	18.6	19.5	23.5	24.5	24.7	25.4	25.7	25.8	26.0	26.1	26.2	26.2	26.3	26.4	26.7
≥ 10000	16.3	19.8	20.8	25.4	26.4	26.6	27.4	27.7	27.8	28.0	28.2	28.2	28.2	28.3	28.4	28.7
≥ 9000	16.7	20.3	21.4	26.0	27.0	27.2	28.0	28.3	28.5	28.6	28.8	28.8	28.9	29.0	29.1	29.4
≥ 8000	19.7	24.0	25.4	30.6	31.9	32.1	33.0	33.3	33.4	33.6	33.8	33.8	33.8	34.0	34.1	34.4
≥ 7000	21.3	25.7	27.1	32.8	34.3	34.5	35.3	35.7	35.9	36.2	36.3	36.3	36.4	36.5	36.6	36.9
≥ 6000	21.5	25.9	27.2	33.0	34.5	34.7	35.6	36.0	36.2	36.4	36.6	36.6	36.6	36.8	36.9	37.2
≥ 5000	22.2	26.8	28.1	34.1	35.6	35.8	36.7	37.1	37.3	37.5	37.7	37.7	37.9	38.0	38.1	38.4
≥ 4500	23.3	28.2	29.6	36.0	37.7	38.0	38.8	39.3	39.4	39.7	39.9	39.9	40.0	40.1	40.2	40.6
≥ 4000	26.8	32.5	34.7	41.4	43.2	43.7	44.7	45.3	45.7	46.0	46.2	46.3	46.4	46.5	46.6	46.9
≥ 3500	31.2	37.5	39.1	47.7	49.8	50.5	51.8	52.5	52.9	53.3	53.5	53.5	53.6	53.7	53.8	54.2
≥ 3000	36.8	44.1	45.9	56.0	58.7	59.6	61.2	62.0	62.5	62.9	63.1	63.1	63.2	63.4	63.5	63.9
≥ 2500	39.2	46.9	48.8	59.3	62.3	63.2	64.9	65.8	66.3	66.7	66.9	67.0	67.1	67.2	67.4	67.9
≥ 2000	43.3	51.8	53.8	65.3	68.7	69.7	71.7	72.9	73.4	73.9	74.2	74.2	74.5	74.6	74.8	75.3
≥ 1800	43.5	52.1	54.2	65.7	69.3	70.3	72.3	73.6	74.2	74.6	74.9	75.0	75.2	75.3	75.6	76.1
≥ 1500	44.8	54.2	56.3	68.5	72.3	73.4	75.7	77.3	77.9	78.5	78.8	79.0	79.2	79.4	79.7	80.3
≥ 1200	45.7	55.4	57.6	71.0	75.9	77.2	79.7	81.5	82.2	82.9	83.2	83.4	83.7	83.9	84.2	84.8
≥ 1000	45.9	55.6	57.9	71.8	77.5	79.0	82.1	84.1	84.9	85.8	86.1	86.3	86.6	86.9	87.1	87.7
≥ 900	45.9	55.7	58.0	72.0	77.8	79.4	82.5	84.8	85.6	86.5	86.9	87.0	87.3	87.6	87.8	88.4
≥ 800	46.0	55.8	58.1	72.3	78.0	79.7	82.9	85.3	86.2	87.1	87.5	87.7	88.0	88.3	88.6	89.2
≥ 700	46.1	55.9	58.2	72.4	78.2	79.9	83.7	86.4	87.6	88.7	89.1	89.4	89.7	90.0	90.3	90.9
≥ 600	46.1	55.9	58.2	72.5	78.6	80.3	84.0	87.0	88.1	89.4	89.8	90.1	90.5	90.9	91.2	91.9
≥ 500	46.1	55.9	58.2	72.6	78.7	80.4	84.2	87.2	88.4	89.9	90.5	90.9	91.5	92.1	92.6	93.6
≥ 400	46.1	55.9	58.2	72.6	78.7	80.4	84.2	87.3	88.6	90.3	91.0	91.5	92.6	93.5	94.5	95.4
≥ 300	46.1	55.9	58.2	72.6	78.7	80.4	84.2	87.3	88.6	90.3	91.0	91.5	92.6	93.5	94.5	95.4
≥ 200	46.1	55.9	58.2	72.6	78.7	80.4	84.2	87.3	88.6	90.3	91.0	91.5	92.6	93.5	94.5	95.4
≥ 100	46.1	55.9	58.2	72.6	78.7	80.4	84.2	87.3	88.6	90.3	91.0	91.5	92.6	93.5	94.5	95.4
≥ 0	46.1	55.9	58.2	72.6	78.7	80.4	84.2	87.3	88.6	90.3	91.0	91.5	92.6	93.5	94.5	95.4

TOTAL NUMBER OF OBSERVATIONS 2639

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

106335

FINTHEN AAF, DL

73-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING ≥ 20000	13.3	16.9	18.1	19.3	21.7	21.7	21.7	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
IV 18000	13.3	16.9	18.1	19.3	21.7	21.7	21.7	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
IV 16000	13.3	16.9	18.1	19.3	21.7	21.7	21.7	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
IV 14000	13.3	16.9	18.1	19.3	21.7	21.7	21.7	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
IV 12000	13.3	16.9	18.1	19.3	21.7	21.7	21.7	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
IV 10000	13.3	16.9	18.1	19.3	21.7	21.7	21.7	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
IV 9000	13.3	16.9	18.1	19.3	21.7	21.7	21.7	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
IV 8000	13.3	18.1	19.3	20.5	22.9	22.9	22.9	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
IV 7000	13.3	18.1	19.3	20.5	22.9	22.9	22.9	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
IV 6000	13.3	18.1	19.3	20.5	22.9	22.9	22.9	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
IV 5000	14.5	19.3	20.5	21.7	24.1	24.1	24.1	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
IV 4500	14.5	19.3	20.5	21.7	25.3	25.3	25.3	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
IV 4000	15.7	20.5	21.7	22.9	26.5	26.5	26.5	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 3500	21.7	28.9	30.1	32.5	36.1	36.1	36.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
IV 3000	27.7	36.1	37.3	39.8	43.4	43.4	43.4	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 2500	30.1	39.8	41.0	44.6	48.2	48.2	48.2	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 2000	31.3	41.0	42.2	47.0	50.6	50.6	50.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 1800	31.3	42.2	43.4	49.4	53.0	53.0	53.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 1500	33.7	45.8	47.0	54.2	57.8	57.8	57.8	60.2	63.9	63.9	63.9	63.9	63.9	63.9	65.1	65.1
IV 1200	36.1	49.4	50.6	59.0	62.7	62.7	62.7	65.1	68.7	68.7	69.9	69.9	69.9	69.9	71.1	71.1
IV 1000	39.8	53.0	54.2	63.9	67.5	67.5	67.5	69.9	73.5	73.5	75.9	75.9	75.9	75.9	78.3	78.3
IV 900	39.8	53.0	54.2	63.9	67.5	67.5	67.5	69.9	74.7	74.7	77.1	77.1	77.1	77.1	79.5	79.5
IV 800	39.8	53.0	54.2	65.1	68.7	68.7	68.7	71.1	75.9	75.9	78.3	78.3	78.3	78.3	80.7	80.7
IV 700	39.8	53.0	54.2	65.1	68.7	68.7	68.7	72.3	77.1	77.1	79.5	79.5	79.5	79.5	81.9	81.9
IV 600	39.8	53.0	54.2	66.3	69.9	69.9	69.9	74.7	79.5	79.5	81.9	81.9	81.9	81.9	84.3	84.3
IV 500	39.8	53.0	54.2	66.3	69.9	69.9	69.9	74.7	80.7	80.7	83.1	83.1	83.1	83.1	85.5	85.5
IV 400	39.8	53.0	54.2	66.3	69.9	69.9	69.9	74.7	81.9	81.9	84.3	84.3	84.3	84.3	86.7	86.7
IV 300	39.8	53.0	54.2	66.3	69.9	69.9	69.9	74.7	81.9	81.9	85.5	85.5	85.5	85.5	87.9	87.9
IV 200	39.8	53.0	54.2	66.3	69.9	69.9	69.9	74.7	81.9	81.9	86.7	86.7	86.7	86.7	89.2	89.2
IV 100	39.8	53.0	54.2	66.3	69.9	69.9	69.9	74.7	81.9	81.9	86.7	86.7	86.7	86.7	89.2	89.2
IV 0	39.8	53.0	54.2	66.3	69.9	69.9	69.9	74.7	81.9	81.9	86.7	86.7	86.7	86.7	89.2	89.2

TOTAL NUMBER OF OBSERVATIONS 83

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-2800  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	10.9	14.4	16.3	18.3	19.0	19.2	19.6	20.2	20.4	20.6	20.6	20.6	21.0	21.0	21.0	21.2
≥ 20000	11.0	14.6	16.5	18.5	19.2	19.4	19.8	20.4	20.6	21.0	21.0	21.0	21.3	21.5	21.5	21.7
≥ 18000	11.0	14.6	16.5	18.5	19.2	19.4	19.8	20.4	20.6	21.0	21.0	21.0	21.3	21.5	21.5	21.7
≥ 16000	11.0	14.6	16.5	18.5	19.2	19.4	19.8	20.4	20.6	21.0	21.0	21.0	21.3	21.5	21.5	21.7
≥ 14000	11.0	14.6	16.5	18.5	19.2	19.4	19.8	20.4	20.6	21.0	21.0	21.0	21.3	21.5	21.5	21.7
≥ 12000	11.0	14.6	16.5	18.5	19.2	19.4	19.8	20.4	20.6	21.0	21.0	21.0	21.3	21.5	21.5	21.7
≥ 10000	11.7	14.6	16.5	18.5	19.2	19.4	19.8	21.0	21.2	21.5	21.5	21.5	21.9	22.1	22.1	22.3
≥ 9000	11.0	14.6	16.5	18.5	19.2	19.4	19.8	21.0	21.2	21.5	21.5	21.5	21.9	22.1	22.1	22.3
≥ 8000	11.5	16.3	19.0	21.0	21.7	21.9	22.3	23.5	23.7	24.0	24.0	24.0	24.4	24.8	24.8	25.0
≥ 7000	12.5	17.7	20.4	22.5	23.3	23.5	24.0	25.2	25.4	25.8	26.0	26.0	26.3	26.7	26.7	26.9
≥ 6000	12.5	17.7	20.4	22.9	23.7	23.8	24.4	25.6	25.8	26.2	26.3	26.3	26.7	27.1	27.1	27.3
≥ 5000	13.3	18.8	21.5	24.0	24.8	25.0	25.6	26.7	26.9	27.3	27.5	27.5	27.9	28.3	28.3	28.5
≥ 4500	13.3	19.0	21.7	24.4	25.4	25.6	26.3	27.5	27.7	28.1	28.3	28.3	28.7	29.0	29.0	29.2
≥ 4000	15.6	22.1	25.4	28.7	29.6	29.8	30.8	31.9	32.1	32.5	32.7	32.7	33.1	33.5	33.5	33.7
≥ 3500	17.9	25.8	29.8	33.8	34.8	35.4	36.3	37.5	37.7	38.3	38.5	38.5	38.8	39.2	39.2	39.4
≥ 3000	23.3	32.5	38.5	43.8	45.2	45.8	46.7	48.7	48.8	49.4	49.6	49.6	50.0	50.4	50.4	50.6
≥ 2500	25.8	35.8	41.7	47.7	49.0	49.8	50.8	52.7	52.9	53.5	53.7	53.7	54.0	54.6	54.6	54.8
≥ 2000	27.5	38.8	45.4	54.2	56.0	56.7	58.3	60.8	61.0	61.5	61.7	61.7	62.1	62.7	62.7	63.1
≥ 1800	29.8	40.2	46.7	55.6	57.7	58.5	60.0	62.7	63.1	63.8	64.0	64.0	64.6	65.2	65.2	65.6
≥ 1500	32.1	43.8	50.4	59.8	62.7	63.5	65.4	68.1	68.7	69.6	69.8	69.8	70.4	71.0	71.0	71.3
≥ 1200	33.8	46.7	53.7	64.6	67.5	68.3	71.0	73.8	74.6	75.6	75.8	75.8	76.3	77.1	77.1	77.5
≥ 1000	35.2	48.5	56.0	67.7	70.6	71.3	74.0	77.1	78.1	79.6	79.8	80.0	80.8	81.5	81.9	82.5
≥ 900	35.2	48.5	56.0	68.8	72.1	72.9	75.2	78.5	79.4	81.0	81.2	81.3	82.1	82.9	83.3	83.8
≥ 800	35.2	48.5	56.0	68.8	72.1	72.9	75.2	78.5	79.4	81.0	81.2	81.3	82.1	82.9	83.3	83.8
≥ 700	35.4	48.7	56.2	69.0	72.5	73.3	76.3	79.6	80.6	82.3	82.5	82.7	83.5	84.2	84.6	85.2
≥ 600	35.4	48.7	56.2	69.2	72.7	73.5	76.5	79.8	81.2	82.9	83.1	83.3	84.0	84.8	85.2	85.8
≥ 500	35.4	48.7	56.2	69.2	72.9	73.7	77.1	80.8	82.5	84.2	84.4	84.6	85.4	86.5	86.9	87.5
≥ 400	35.4	48.7	56.2	69.2	72.9	73.7	77.1	81.2	83.3	85.4	85.6	85.8	86.9	88.1	89.2	90.0
≥ 300	35.4	48.7	56.2	69.2	72.9	73.7	77.5	81.7	83.8	86.7	86.9	87.3	89.0	90.2	91.5	92.3
≥ 200	35.4	48.7	56.2	69.2	72.9	73.7	77.5	81.9	84.0	86.9	87.1	87.5	89.6	92.1	94.4	96.3
≥ 100	35.4	48.7	56.2	69.2	72.9	73.7	77.5	81.9	84.0	86.9	87.1	87.5	89.6	92.5	95.4	99.4
≥ 0	35.4	48.7	56.2	69.2	72.9	73.7	77.5	81.9	84.0	86.9	87.1	87.5	89.6	92.7	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 520

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AID WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

16335  
STATION

FINTHEN AAF, DL  
STATION NAME

73-81  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2200-1100  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING	9.1	11.3	13.3	17.2	17.9	18.5	19.0	19.6	19.6	19.8	19.8	19.8	19.8	19.8	20.0	20.1
≥ 20000	10.2	13.1	15.3	19.6	20.7	21.3	21.8	22.4	22.4	22.6	22.6	22.6	22.6	22.6	22.7	22.9
≥ 18000	10.2	13.1	15.3	19.6	20.7	21.3	21.8	22.6	22.6	22.9	22.9	22.9	22.9	22.9	23.1	23.3
≥ 16000	10.2	13.1	15.3	19.6	20.7	21.3	21.8	22.6	22.6	22.9	22.9	22.9	22.9	22.9	23.1	23.3
IV 14000	10.2	13.1	15.3	19.6	20.7	21.3	21.8	22.6	22.6	22.9	22.9	22.9	22.9	22.9	23.1	23.3
IV 12000	10.2	13.1	15.3	19.6	20.7	21.3	21.8	22.6	22.6	22.9	22.9	22.9	22.9	22.9	23.1	23.3
IV 10000	10.9	14.0	16.3	20.7	21.8	22.6	23.3	24.0	24.0	24.4	24.4	24.4	24.4	24.4	24.6	24.8
IV 9000	11.1	14.2	16.5	20.9	22.0	22.7	23.5	24.2	24.2	24.6	24.6	24.6	24.6	24.6	24.8	25.0
IV 8000	14.2	17.7	20.5	25.1	26.8	27.5	28.3	29.4	29.6	30.1	30.1	30.3	30.3	30.3	30.5	30.7
IV 7000	15.2	18.7	21.4	26.8	28.5	29.2	29.9	31.2	31.4	32.0	32.0	32.2	32.2	32.2	32.3	32.5
IV 6000	15.2	18.7	21.4	26.8	28.5	29.2	29.9	31.2	31.4	32.0	32.0	32.2	32.2	32.2	32.3	32.5
IV 5000	15.7	19.2	22.7	27.4	29.2	30.1	30.9	32.2	32.3	32.9	32.9	33.1	33.1	33.3	33.5	33.5
IV 4500	16.8	20.7	23.5	29.2	31.4	32.3	33.3	34.8	34.9	35.7	35.7	35.9	35.9	36.0	36.2	36.2
IV 4000	18.7	22.7	25.7	31.8	34.2	35.1	36.0	37.5	37.7	38.4	38.4	38.6	38.6	38.8	39.0	39.0
IV 3500	22.2	26.2	29.4	36.4	38.8	39.7	40.7	42.1	42.3	43.1	43.1	43.3	43.3	43.4	43.6	43.6
IV 3000	27.2	31.4	34.8	43.1	45.7	47.1	48.6	50.5	51.0	51.8	51.8	51.9	51.9	52.1	52.5	52.5
IV 2500	31.2	36.6	39.9	48.2	50.8	52.5	54.0	55.8	56.4	57.1	57.1	57.3	57.3	57.5	57.9	57.9
IV 2000	34.8	41.8	46.7	55.3	59.1	60.8	63.2	65.4	66.0	66.9	66.9	67.3	67.3	67.8	68.0	68.9
IV 1800	35.3	42.5	46.8	56.0	59.9	61.7	64.1	66.5	67.3	68.2	68.2	68.6	68.6	69.1	69.3	70.1
IV 1500	36.4	44.4	48.6	58.2	62.7	65.1	67.8	70.2	71.3	72.5	72.6	73.0	73.6	73.9	74.7	74.9
IV 1200	37.2	46.0	50.3	60.6	65.1	67.5	70.4	72.8	74.1	75.2	75.4	75.8	76.5	77.3	78.0	78.2
IV 1000	37.9	47.1	51.6	62.8	67.3	70.1	73.2	75.6	76.9	78.4	78.6	78.9	79.9	80.6	81.3	81.5
IV 900	38.1	47.3	51.8	63.2	68.2	71.0	74.3	76.9	78.2	79.9	80.0	80.4	81.3	82.4	83.2	83.4
IV 800	38.1	47.3	51.8	63.4	68.8	71.5	75.6	78.7	80.0	82.1	82.3	82.6	83.9	85.2	86.0	86.1
IV 700	38.1	47.7	52.1	63.8	69.9	72.6	76.9	80.0	81.3	83.4	83.7	84.1	85.4	87.1	87.8	88.0
IV 600	38.1	47.7	52.1	63.8	69.9	72.6	76.9	80.2	81.7	83.7	84.1	84.5	85.8	87.4	88.2	88.4
IV 500	38.1	47.7	52.1	63.8	69.9	72.6	77.4	81.0	82.4	84.7	85.0	85.4	86.7	88.4	89.1	89.3
IV 400	38.1	47.7	52.1	63.8	69.9	72.6	77.4	81.0	82.8	85.4	86.0	86.3	87.8	90.0	90.8	90.9
IV 300	38.1	47.7	52.1	63.8	69.9	72.6	77.4	81.3	83.2	85.8	86.3	86.9	88.4	91.1	93.3	93.7
IV 200	38.1	47.7	52.1	63.8	69.9	72.6	77.4	81.3	83.2	85.8	86.3	86.9	88.4	93.0	96.3	96.9
IV 100	38.1	47.7	52.1	63.8	69.9	72.6	77.4	81.3	83.2	85.8	86.3	86.9	88.4	93.0	96.5	99.4
IV 0	38.1	47.7	52.1	63.8	69.9	72.6	77.4	81.3	83.2	85.8	86.3	86.9	88.4	93.0	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 591

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10-335 FINTHEN AAF, DL

73-81

DEC

STATION

STATION NAME

YEARS

1200-1400  
HOURS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4	≥.3
NO CEILING	13.5	15.1	16.4	18.9	20.0	20.2	20.7	20.9	20.9	20.9	20.9	20.9	20.9	20.9	21.1	21.3	21.3
≥ 20000	15.5	17.6	18.9	21.9	23.4	23.6	24.1	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.5	24.7	24.7
IV 18000	15.5	17.9	19.3	22.2	24.3	24.9	25.4	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.8	26.0	26.0
IV 16000	15.5	18.1	19.4	22.4	24.5	25.0	25.6	25.8	25.8	25.8	25.8	25.8	25.8	25.8	26.0	26.2	26.2
IV 14000	15.5	18.1	19.4	22.4	24.5	25.0	25.6	25.8	25.8	25.8	25.8	25.8	25.8	25.8	26.0	26.2	26.2
IV 12000	16.4	19.4	20.7	24.1	26.4	26.9	27.5	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.9	28.0	28.0
IV 10000	16.4	19.4	20.9	24.3	26.5	27.1	27.7	27.9	27.9	27.9	27.9	27.9	27.9	27.9	28.0	28.2	28.2
IV 9000	16.4	19.4	21.1	24.5	26.7	27.3	27.9	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.2	28.4	28.4
IV 8000	17.9	21.3	23.4	26.7	29.2	29.7	30.5	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.4	31.6	31.6
IV 7000	19.4	23.4	25.4	29.3	32.5	33.1	34.0	34.6	35.0	35.1	35.1	35.1	35.1	35.1	35.3	35.5	35.5
IV 6000	19.4	23.4	25.4	29.3	32.5	33.1	34.0	34.6	35.0	35.1	35.1	35.1	35.1	35.1	35.3	35.5	35.5
IV 5000	20.6	24.7	26.7	30.8	34.4	35.3	36.3	37.0	37.2	37.4	37.4	37.4	37.4	37.4	37.6	37.8	37.8
IV 4500	21.5	25.8	27.9	32.0	36.1	37.0	38.5	39.3	39.4	39.6	39.6	39.6	39.6	39.6	39.8	40.0	40.0
IV 4000	24.9	29.5	32.1	37.2	41.5	42.4	44.3	45.0	45.4	45.6	45.6	45.6	45.6	45.6	45.8	46.0	46.0
IV 3500	27.1	32.0	34.6	40.2	44.7	45.8	48.0	48.8	49.2	49.3	49.3	49.3	49.3	49.3	49.7	50.1	50.1
IV 3000	32.1	38.5	41.3	46.9	52.0	53.5	55.9	56.6	57.0	57.4	57.6	57.6	57.6	57.6	57.9	58.3	58.3
IV 2500	34.4	41.3	44.1	49.9	55.5	57.2	59.8	60.6	60.9	61.3	61.5	61.5	61.5	61.5	61.9	62.2	62.2
IV 2000	38.5	46.4	49.9	56.8	63.9	65.8	70.1	71.6	72.0	72.9	73.1	73.1	73.1	73.5	73.6	73.8	73.8
IV 1800	39.1	47.1	50.7	57.8	65.0	66.9	71.4	72.9	73.3	74.2	74.4	74.4	74.4	74.8	75.0	75.1	75.1
IV 1500	39.6	48.8	52.3	59.4	67.5	70.1	74.8	76.5	76.6	77.8	77.9	77.9	77.9	78.3	78.5	78.7	78.7
IV 1200	40.2	50.7	54.4	62.4	70.8	73.5	79.4	80.9	81.3	82.4	82.6	82.6	82.6	83.0	83.4	83.6	83.6
IV 1000	40.2	50.7	54.4	63.4	72.3	75.0	81.5	83.2	83.7	85.2	85.4	85.4	85.8	86.2	86.9	87.1	87.1
IV 900	40.2	50.7	54.4	63.6	73.1	75.7	82.4	84.1	84.7	86.2	86.4	86.7	87.7	88.4	88.6	88.6	88.6
IV 800	40.2	50.7	54.4	63.7	73.3	76.1	83.0	85.0	85.6	87.3	87.5	87.9	88.8	89.5	89.7	89.7	89.7
IV 700	40.2	50.7	54.4	63.7	73.8	76.6	83.7	86.2	86.7	88.2	88.4	88.8	89.7	90.5	90.7	90.7	90.7
IV 600	40.2	50.7	54.4	63.7	73.8	76.6	83.7	86.2	86.7	88.8	89.0	89.3	90.3	91.0	91.2	91.2	91.2
IV 500	40.2	50.7	54.4	63.7	73.8	76.6	83.7	86.2	86.7	87.7	89.7	90.1	90.5	91.4	92.3	92.5	92.5
IV 400	40.2	50.7	54.4	63.7	73.8	76.6	83.7	86.7	87.9	90.1	90.5	90.8	92.0	92.9	93.1	93.1	93.1
IV 300	40.2	50.7	54.4	63.7	73.8	76.6	83.7	86.7	88.0	90.7	91.2	91.8	92.9	95.1	95.9	95.9	95.9
IV 200	40.2	50.7	54.4	63.7	73.8	76.6	83.7	86.7	88.0	90.7	91.2	91.8	93.1	96.4	97.4	97.4	97.4
IV 100	40.2	50.7	54.4	63.7	73.8	76.6	83.7	86.7	88.0	90.7	91.2	91.8	93.1	96.8	97.9	100.0	100.0
IV 0	40.2	50.7	54.4	63.7	73.8	76.6	83.7	86.7	88.0	90.7	91.2	91.8	93.1	96.8	97.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 535

CLIMATE CLIMATOLOGY BRANCH  
SAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

100336 FINTHEN AAF, DL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

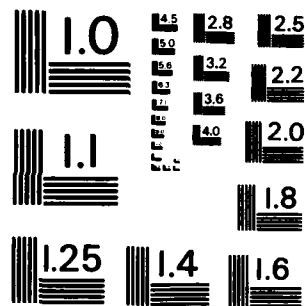
1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	11.7	14.1	15.6	17.8	18.4	19.1	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
≥ 20000	13.7	16.8	18.6	20.7	21.3	22.3	22.9	22.9	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
≥ 18000	14.3	17.4	19.1	21.9	22.5	23.4	24.0	24.0	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
≥ 16000	14.3	17.6	19.3	22.1	22.7	23.6	24.2	24.2	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 14000	14.3	17.8	19.3	22.5	23.0	24.0	24.6	24.6	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
≥ 12000	14.6	18.0	19.7	23.2	23.8	24.6	25.4	25.4	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
≥ 10000	15.6	18.9	20.7	24.2	25.0	26.2	27.0	27.1	27.3	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 9000	15.6	19.1	20.9	24.4	25.2	26.6	27.5	27.7	27.9	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 8000	16.8	20.9	22.7	26.6	27.9	29.7	30.7	30.9	31.4	31.8	31.8	32.0	32.0	32.0	32.0	32.0
≥ 7000	17.2	21.5	23.2	27.5	29.1	30.9	31.8	32.0	32.6	33.0	33.0	33.2	33.2	33.2	33.2	33.2
≥ 6000	17.2	21.5	23.2	27.5	29.1	30.9	31.8	32.0	32.6	33.0	33.0	33.2	33.2	33.2	33.2	33.2
≥ 5000	18.3	23.2	25.4	30.1	31.6	33.6	35.0	35.2	35.7	36.1	36.1	36.3	36.3	36.3	36.3	36.3
≥ 4500	18.9	23.4	25.6	30.3	32.2	34.6	36.1	36.3	36.9	37.3	37.3	37.5	37.5	37.5	37.5	37.5
≥ 4000	21.9	27.5	30.9	36.3	38.5	40.8	42.4	42.8	43.8	44.1	44.1	44.3	44.3	44.3	44.3	44.3
≥ 3500	24.0	29.9	33.2	38.7	41.0	43.4	45.1	45.5	46.7	47.3	47.5	47.7	47.9	47.9	47.9	47.9
≥ 3000	27.3	37.3	41.2	47.3	49.6	52.1	54.5	54.9	56.1	56.6	56.8	57.0	57.2	57.2	57.2	57.6
≥ 2500	33.4	41.0	44.9	51.6	53.9	56.4	59.2	59.8	61.1	61.9	62.1	62.3	62.5	62.5	62.5	62.9
≥ 2000	36.3	45.5	49.6	58.0	61.7	64.3	67.6	68.4	69.7	71.5	71.7	71.9	72.7	72.7	72.7	73.0
≥ 1800	36.7	46.3	50.6	59.2	63.1	65.8	69.1	69.9	71.3	73.0	73.2	73.4	74.2	74.2	74.2	74.6
≥ 1500	36.7	46.7	51.8	61.5	65.8	68.9	72.5	73.4	74.8	77.1	77.3	77.5	78.3	78.3	78.3	78.7
≥ 1200	37.5	48.2	53.7	65.0	69.7	73.6	78.5	79.5	80.9	83.2	83.4	83.6	84.4	84.4	84.6	85.0
≥ 1000	37.7	48.8	54.5	66.6	72.1	76.2	81.1	82.0	83.4	85.9	86.1	86.9	87.7	87.7	87.9	88.3
≥ 900	37.7	48.8	54.5	66.8	72.9	77.0	81.8	82.8	84.2	86.7	86.9	87.7	88.9	89.1	89.3	89.6
≥ 800	37.7	48.8	54.5	67.0	73.0	77.1	82.0	83.0	84.4	86.9	87.1	87.9	89.3	89.5	89.6	90.0
≥ 700	37.7	48.8	54.5	67.0	73.2	77.3	82.2	83.2	84.6	87.1	87.3	88.1	89.5	89.6	89.8	90.2
≥ 600	37.7	48.8	54.5	67.0	73.2	77.3	82.6	84.0	85.4	88.7	88.9	89.6	91.0	91.4	91.6	92.0
≥ 500	37.7	48.8	54.5	67.0	73.2	77.3	82.6	84.4	86.3	90.0	90.4	91.2	92.6	93.0	93.4	93.8
≥ 400	37.7	48.8	54.5	67.0	73.2	77.3	82.6	84.4	86.3	90.6	91.0	91.8	93.8	94.3	94.7	95.1
≥ 300	37.7	48.8	54.5	67.0	73.2	77.3	82.6	84.4	86.3	90.6	91.4	92.2	94.1	95.9	96.5	97.3
≥ 200	37.7	48.8	54.5	67.0	73.2	77.3	82.6	84.4	86.5	90.8	91.6	92.4	94.3	97.3	98.2	99.0
≥ 100	37.7	48.8	54.5	67.0	73.2	77.3	82.6	84.4	86.5	90.8	91.6	92.4	94.3	97.3	98.4	100.0
≥ 0	37.7	48.8	54.5	67.0	73.2	77.3	82.6	84.4	86.5	90.8	91.6	92.4	94.3	97.3	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 512







MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS - 1963 - A

GLOBAL CLIMATOLOGY BRANCH  
U. S. AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1-335 FINTHEN AAF, DL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-2000  
HOURS: 15

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	15.1	20.6	21.6	25.9	27.0	27.0	28.2	28.8	28.9	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 20000	17.2	22.7	22.7	29.4	30.5	30.5	32.0	32.6	33.1	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 18000	17.2	22.7	22.7	29.4	30.5	30.5	32.0	32.6	33.1	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 16000	17.2	22.7	22.7	29.4	30.5	30.5	32.0	32.6	33.1	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 14000	17.2	22.7	22.7	29.4	30.5	30.5	32.0	32.6	33.1	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 12000	17.2	22.7	22.7	29.4	30.5	30.5	32.0	32.6	33.1	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 10000	18.3	24.1	24.1	31.1	32.3	32.3	33.7	34.3	35.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 9000	18.6	24.7	24.7	32.0	33.4	33.4	34.9	35.5	36.3	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 8000	20.1	26.7	27.3	35.2	36.6	36.6	38.4	39.0	39.8	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 7000	21.2	28.8	29.4	38.1	39.5	39.5	41.3	41.9	42.7	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 6000	21.2	28.8	29.4	38.1	39.5	39.5	41.3	41.9	42.7	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 5000	22.7	30.2	30.9	39.5	41.0	41.0	42.7	43.3	44.2	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 4500	23.5	31.4	32.7	40.7	42.4	42.4	44.2	44.8	45.6	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 4000	25.3	33.7	35.2	44.2	45.9	46.2	48.0	48.5	49.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 3500	27.3	36.0	37.5	47.1	48.8	49.1	50.9	51.5	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 3000	31.1	41.9	43.3	53.8	55.5	55.8	57.8	58.4	59.3	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 2500	35.8	46.5	48.0	59.0	60.8	61.0	63.1	64.0	64.8	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 2000	39.5	50.9	52.6	65.4	67.4	67.7	69.8	71.2	72.4	73.3	73.3	73.3	73.3	73.5	73.5	73.5
≥ 1800	40.1	51.7	53.5	66.3	69.5	69.8	71.8	73.3	74.4	75.9	75.9	75.9	75.9	76.2	76.2	76.2
≥ 1500	42.2	54.7	56.7	70.9	75.0	75.0	78.2	79.7	81.7	83.1	83.1	83.1	83.1	83.4	83.4	83.4
≥ 1200	42.7	55.5	57.8	73.3	77.2	78.8	82.0	83.4	86.0	87.8	87.8	87.8	88.1	88.1	88.1	88.1
≥ 1000	42.7	56.1	58.4	74.7	80.2	80.8	84.0	85.8	89.0	91.3	91.3	91.3	91.6	91.6	91.6	91.6
≥ 900	43.0	56.4	58.7	75.0	80.8	81.4	84.6	86.3	89.5	91.9	91.9	91.9	92.2	92.2	92.2	92.2
≥ 800	43.0	56.4	58.7	75.0	80.8	81.4	84.6	86.6	90.1	92.4	92.4	92.4	93.0	93.0	93.0	93.0
≥ 700	43.0	57.0	59.6	75.9	81.7	82.3	85.5	87.8	91.3	93.6	93.6	93.6	94.2	94.5	94.5	94.5
≥ 600	43.0	57.0	59.6	75.9	81.7	82.3	85.8	88.1	91.6	94.2	94.2	94.2	94.8	95.1	95.1	95.1
≥ 500	43.0	57.0	59.6	75.9	81.7	82.6	86.0	89.0	92.7	96.2	96.2	96.8	96.8	97.4	97.7	97.7
≥ 400	43.0	57.0	59.6	75.9	81.7	82.6	86.0	89.0	92.7	96.2	96.2	96.8	96.8	97.4	97.7	97.7
≥ 300	43.0	57.0	59.6	75.9	81.7	82.6	86.0	89.0	92.7	96.5	96.5	98.0	98.8	99.1	99.1	99.1
≥ 200	43.0	57.0	59.6	75.9	81.7	82.6	86.0	89.0	92.7	96.5	98.0	98.0	98.8	99.4	99.7	99.7
≥ 100	43.0	57.0	59.6	75.9	81.7	82.6	86.0	89.0	92.7	96.5	98.0	98.0	98.8	99.7	100.0	100.0
≥ 0	43.0	57.0	59.6	75.9	81.7	82.6	86.0	89.0	92.7	96.5	98.0	98.0	98.8	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 344

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE INSTRUCTIONS

# CEILING VERSUS VISIBILITY

1 335 FINTHEN AAF, DL STATION NAME

73-61 YEARS

DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL HOURS

See Table Page

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	11.4	14.8	16.2	19.1	20.0	20.4	21.0	21.4	21.4	21.5	21.5	21.5	21.6	21.7	21.8	21.8
≥ 20000	13.2	16.5	18.1	21.4	22.4	22.6	23.5	23.9	24.0	24.2	24.2	24.2	24.3	24.4	24.5	24.5
IV 18000	13.3	16.7	18.3	21.7	22.9	23.4	24.0	24.4	24.6	24.8	24.8	24.8	24.9	25.0	25.0	25.1
IV 16000	13.3	16.8	18.3	21.8	23.0	23.4	24.1	24.5	24.7	24.9	24.9	24.9	24.9	25.0	25.1	25.2
IV 14000	13.3	16.8	18.3	21.9	23.0	23.5	24.1	24.6	24.7	24.9	24.9	24.9	25.0	25.1	25.2	25.2
IV 12000	13.4	17.2	18.7	22.4	23.6	24.1	24.7	25.1	25.3	25.5	25.5	25.5	25.6	25.7	25.8	25.8
IV 10000	14.1	17.8	19.3	23.1	24.3	24.9	25.6	26.2	26.4	26.7	26.7	26.7	26.7	26.9	26.9	27.0
IV 9000	14.2	17.9	19.5	23.3	24.6	25.2	26.0	26.5	26.7	27.0	27.0	27.0	27.1	27.2	27.3	27.3
IV 8000	15.7	20.1	22.1	26.1	27.7	28.4	29.2	30.0	30.3	30.7	30.7	30.7	30.8	31.0	31.0	31.1
IV 7000	16.7	21.4	23.4	27.9	29.7	30.4	31.3	32.1	32.5	32.9	32.9	33.0	33.1	33.2	33.3	33.3
≥ 6000	16.7	21.4	23.4	28.0	29.8	30.5	31.4	32.2	32.5	32.9	33.0	33.1	33.1	33.3	33.4	33.4
≥ 5000	17.8	22.6	24.7	29.4	31.3	32.2	33.1	34.0	34.3	34.7	34.8	34.8	34.9	35.1	35.1	35.2
≥ 4500	18.3	23.4	25.5	30.3	32.6	33.5	34.8	35.6	36.0	36.4	36.4	36.5	36.6	36.8	36.9	36.9
≥ 4000	20.8	26.4	29.2	34.6	37.0	37.9	39.3	40.2	40.7	41.1	41.1	41.2	41.3	41.5	41.5	41.6
IV 3500	23.4	29.5	32.5	38.5	40.9	42.0	43.5	44.4	44.9	45.4	45.5	45.6	45.8	45.9	46.0	46.0
IV 3000	25.6	35.9	39.4	46.2	49.0	50.3	52.0	53.2	53.8	54.4	54.5	54.6	54.8	54.9	55.0	55.1
IV 2500	31.8	39.8	43.3	50.5	53.3	54.8	56.6	57.9	58.6	59.2	59.3	59.4	59.6	59.8	59.9	60.0
IV 2000	34.9	44.1	48.2	57.0	60.9	62.3	65.0	66.8	67.5	68.4	68.6	68.7	69.2	69.4	69.6	69.8
≥ 1800	35.6	45.0	49.2	58.1	62.2	63.8	66.5	68.4	69.1	70.2	70.3	70.5	71.0	71.2	71.4	71.6
≥ 1500	37.0	47.1	51.4	61.1	65.8	67.7	70.9	72.8	73.8	75.1	75.3	75.4	75.9	76.2	76.4	76.6
≥ 1200	37.9	49.0	53.6	64.4	69.4	71.5	75.5	77.4	78.5	80.0	80.1	80.2	80.8	81.2	81.5	81.7
IV 1000	38.5	49.9	54.7	66.4	71.8	74.0	78.1	80.1	81.4	83.3	83.4	83.8	84.4	85.0	85.3	85.5
IV 900	38.6	50.0	54.8	66.7	72.5	74.8	79.0	81.1	82.4	84.3	84.5	84.9	85.7	86.4	86.7	86.9
IV 800	38.6	50.0	54.8	66.9	72.9	75.1	79.6	82.0	83.4	85.4	85.6	85.9	86.9	87.6	87.9	88.2
IV 700	38.6	50.2	55.0	67.2	73.5	75.7	80.3	82.8	84.1	86.2	86.4	86.7	87.7	88.6	88.9	89.1
IV 600	38.6	50.2	55.0	67.3	73.6	75.8	80.6	83.2	84.7	87.0	87.2	87.5	88.5	89.4	89.7	89.9
IV 500	38.6	50.2	55.0	67.3	73.6	75.9	80.9	83.9	85.7	88.2	88.6	89.0	89.9	90.9	91.3	91.5
IV 400	38.6	50.2	55.0	67.3	73.6	75.9	80.8	84.0	86.0	88.9	89.3	89.6	90.9	92.0	92.5	92.8
≥ 300	38.6	50.2	55.0	67.3	73.6	75.9	80.9	84.2	86.2	89.4	90.1	90.6	92.0	93.8	94.8	95.2
IV 200	38.6	50.2	55.0	67.3	73.6	75.9	80.9	84.3	86.4	89.5	90.2	90.7	92.2	95.3	96.9	97.6
IV 100	38.6	50.2	55.0	67.3	73.6	75.9	80.9	84.3	86.4	89.5	90.2	90.7	92.2	95.5	97.4	99.8
≥ 0	38.6	50.2	55.0	67.3	73.6	75.9	80.9	84.3	86.4	89.5	90.2	90.7	92.2	95.5	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2535

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

**NOTE:** Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

**NOTE:** The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

\* Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

## PSYCHROMETRIC SUMMARY

107339	FINTHEN AAF, DL
STATION	STATION NAME

73, 75-79

YEARS

JAN  
MONTH

PAGE 1

0300-0500  
HOURS (1-5-7)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

11-339 FINTHEN AAF, DL

73-81

442

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

7600-0850

HOURS (L. S. T.)

[illegible]



2

## PSYCHROMETRIC SUMMARY

73-81

YEARS

JAN  
MONTH

PAGE 1 1940-1950  
HOURS (L. S. T.)

FORM  
JUL 64

**USAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
CASSETAC  
A. LEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1 335	FINTHEN AAF, DL
STATION	STATION NAME

73-81

YEARS

JAN  
MONTH

PAGE 1 1200-1400

$$\frac{1250 - 140}{\text{NUMBER OF YEARS}}$$
[illegible]

## PSYCHROMETRIC SUMMARY

10.335	FINTHEN AAF, DL
STATION	STATION NAME

73-81

YEARS

185  
MONTANA

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]



2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

17-335 FINTHEN AAF, DL

73-81

JAN  
MONTH

STATION

STATION NAME

YEARS

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point						
5 / 55																						2	2			
4 / 53				.0	.0																	2	2			
2 / 51			.5	.2	.0	.1																18	18			
5 / 49			.7	.2	.1																	30	30	25	3	
4 / 47	.1	1.0	.7	.2																		56	56	79	23	
4 / 45		3.4	1.0	.4																		137	137	62	23	
4 / 43	.4	2.6	1.5	.6																		145	145	157	53	
2 / 41	.6	7.1	4.2	.4																		354	354	174	156	
4 / 39	.6	5.9	1.7	.2	.0																	241	241	198	152	
3 / 37	.9	5.2	1.6	.2																		227	227	312	199	
1 / 35	.7	8.4	1.8	.1																		319	319	261	214	
3 / 33	3.3	8.8	.9	.2																		390	361	426	325	
2 / 31	2.1	5.8	1.3	.1																		267	267	436	342	
2 / 29	1.6	5.2	.5	.1																		211	211	230	344	
2 / 27	1.9	4.0	.5																			183	183	179	359	
2 / 25	1.0	1.6	.1																			76	76	122	149	
2 / 23	1.1	1.7	.0																			80	80	62	151	
2 / 21	.0	.7	.1																			47	47	68	92	
1 / 19	.7	.3	.1																			72	33	42	73	
1 / 17	.6	.3	.0																			26	26	32	60	
1 / 15	.5	.1	.0																			20	20	26	50	
1 / 13	.3	.1																				10	10	12	30	
1 / 11	.3																					10	10	10	23	
10 / 9	.4																					13	13	13	28	
1 / 7	.1																					3	3	3	7	
1 / 5	.1																					2	2	2	3	
1 / 3																									1	
1 / -3																									1	
TOTAL	17.9	62.9	16.5	2.5	.2	.0																2891	2893	2891	2891	
Element (X)	ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX	
Rel. Hum.	21159281		245631		85.0		10.008		2891		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total			
Dry Bulb	3693071		101069		34.9		7.488		2893				252.3										744			
Wet Bulb	3356128		96380		33.3		7.035		2891				323.5										744			
Dew Point	2890419		88807		30.7		7.496		2891				.3		440.8								744			

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

1 336	FINTHEN AAF, DL
STATION	STATION NAME

73, 75-77, 79

**YEARS**

FEB  
MONTH

PAGE 1

0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
4 / 45		1.5																1	1														
4 / 43		2.9																2	2														
2 / 41		1.5	2.9															9	9	4	4												
2 / 3	1.5	5.9	1.5															6	6	5	6												
3 / 37	1.5	10.3	4.4															11	11	6	3												
1 / 35	1.5	13.2																12	12	9	3												
3 / 33	1.5	7.4	4.4															9	9	13	12												
2 / 31		7.4																5	5	9	7												
1 / 29	1.5	5.9																5	5	8	7												
1 / 27	1.5	4.4																4	4	4	7												
1 / 25	5.9	2.9																6	6	6	7												
2 / 23																					1												
1 / 1																					1												
TOTAL	14.7	72.1	113.2															68	68	68	68												

2

7

73-81

YEARS

SEP  
MONTH

CASE 1

0000-0500  
HOURS (L. S. T.)

[illegible]

0.26-5 (OL A)

**USAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
TETAC  
A. WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1 330	FINTEN AAF, DL
STATION	STATION NAME

77-81

YEARS

FEB  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	=31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
4				.2														1	1						
47			.4	1.														7	7	1					
47			1.2	1.7	.6													12	12	5					
47		.7	2.1	1.7	.6													24	24	12					
41	.2	1.5	2.3	.6	.2													46	46	23	18				
7	.6	6.8	2.3	.6														53	53	25	24				
8	1.6	6.3	4.7	.6														64	64	35	42				
35	1.6	8.3	3.9	.4														73	73	76	36				
33	2.9	8.9	2.1															72	72	64	36				
31	.6	4.9	1.7															37	37	91	76				
2	1.2	5.6	.4															39	39	53	57				
27	5.6	3.9																49	49	44	98				
25	1.4	.6																17	17	72	57				
23		.2																4	4	5	29				
21																					14				
1																					9				
17																					1				
TOTAL	15.75	8.522	1.3	.5	.2													516	516	516	516				

Element (X)	ΣX'	ΣX	X	C <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	35454	43105	87.5	10.210	516	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	466715	18365	35.6	5.176	516		22.5					84
Wet Bulb	599631	17423	33.8	4.702	516		33.7					64
Dew Point	506209	15245	30.9	5.118	516		54.4					64



## PSYCHROMETRIC SUMMARY

YEARS

FF  
MONTH

PAGE 1 1200-1412  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
1 / 57										.4								2	2					
5 / 55										.2								3	3					
4 / 53				.6		.2				.2								5	5					
1 / 51			.4	1.0						.4								10	13					
1 / 49			.6	1.0		.2				.6								12	12	5				
4 / 47		.2	1.0			1.4				.6								20	20	1				
4 / 45		1.2	2.0	2.0	1.2	.2												73	33	16				
4 / 43	.2	2.7	5.5	2.1	.8	.2												53	58	20				
7 / 41		5.6	5.9	2.7	.2													79	79	43				
5 / 39			5.4	3.5	1.8	.2												61	61	65				
1 / 37	1.2	5.3	4.9	2.9														73	73	84				
1 / 35	.4	5.3	4.9	.2														50	58	69				
3 / 33	.4	3.9	2.0	.4														34	34	71				
2 / 31		.6	5.3	.6														33	33	77				
1 / 29	.6	3.3																20	20	76				
2 / 27	1.2	1.0																11	11	13				
1 / 25																				1				
1 / 23																								
2 / 21																								
1 / 19																								
1 / 17																								
1 / 15																								
1 / 13																								
1 / 11																								
1 / 9																								
1 / 7																								
1 / 5																								
1 / 3																								
1 / 1																								
1 / 0																								
1 / -1																								
1 / -3																								
1 / -5																								
1 / -7																								
1 / -9																								
1 / -11																								
1 / -13																								
1 / -15																								

0.26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETYAC**

GLOBAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1 335 FIVTHEN AAF,DL

77-81

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STATION

STATION NAME

YEARS

MỘT H

PAGE 1

1500-1700

MOORE (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
57				.2		.2												5	5														
56			.2	.4	.4	1.												10	10														
55			.2	1.4	.3	.6	.4											17	17														
54			1.0	1.0	.5	1.0												18	18	2													
53			.6	.6	.6	1.												14	14	3													
52			1.9	1.4	1.6	.8												29	29	10	1												
51	.2	1.6	2.7	2.9	1.4	.2												46	46	32	5												
50	.2	1.8	2.9	2.5	.6	.2												42	42	29	17												
49		5.4	6.4	3.7	.2													61	61	47	21												
48		4.3	4.1	2.0	.4													60	60	44	29												
47	2.1	3.5	4.1	2.3	.5													65	66	54	54												
46	.4	4.1	3.7	.8														46	46	56	43												
45	.6	5.4	1.9															41	41	78	35												
44	.5	2.9	.4															21	21	73	61												
43		2.7																14	14	19	23												
42	.6																	3	3	8	22												
41	.4																	2	2	2	34												
40																					27												
39																					4												
38																					1												
37																					2												
36																					2												
TOTAL		31.7	30.2	20.0	7.3	4.5	1.0											514		514	514												

Element (X)	Σ x <sup>2</sup>	Σ x	Σ	σ <sub>a</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2518489	37257	72.5	15.162	514	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	583605	21079	40.9	6.367	515		6.5					84
Wet Bulb	726296	19152	37.3	4.971	514		16.7					64
Dew Point	546803	16525	32.1	5.502	514		46.7					84

## PSYCHROMETRIC SUMMARY

73-61

FFH  
MONTH

PAGE 1 1900-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
5 / 55						1.1												5	5																	
4 / 53					.2	.4												3	3																	
3 / 51					.4	.4												5	5																	
2 / 49			.4	.7	.2	.7												10	10																	
1 / 47			.4	1.3	.7	.7												14	14	0																
4 / 45			1.3	3.1	2.0	.4	.7											34	34	15	5															
4 / 43		.2	3.0	3.1	2.2	.2												35	35	25	2															
3 / 41		.2	2.8	4.1	2.4	.4	.2											72	72	37	21															
4 / 39		.2	4.6	3.5	.7		.2											42	42	56	31															
2 / 37		1.7	4.1	3.7	1.3													50	50	55	45															
1 / 35		.4	6.3	4.4	.7													56	56	52	45															
3 / 33		.2	7.0	2.5	.2													56	56	69	43															
1 / 31		2.8	3.3	2.2														38	38	52	62															
1 / 29		.4	2.9	.7														23	23	31	64															
1 / 27		1.3	1.7															14	14	25	67															
1 / 25		.2																1	1	4	29															
1 / 23																				1	30															
2 / 21																					7															
1 / 19																					4															
1 / 17																					1															
1 / 15																					1															
1 / 13																					1															
TOTAL	9.5	44.1	29.5	17.7	3.3	2.6	.2											458	458	458	458															

GLOBAL CLIMATOLOGY BRANCH  
NAFETAC  
FATHER SERVICE/PAC

## PSYCHROMETRIC SUMMARY

1 335 FINTHEN AAF,OL  
STATION STATION NAME

73-21

YEARS

553  
MONTH

PAGE 1

ALL

ALL  
HOURS (L - S - T - )

[illegible]

## PSYCHROMETRIC SUMMARY

133°	FINTHEN AAF, DL
STATION	STATION NAME

73, 75-77, 81

YEARS

PAF  
MONTH

PAGE 1 1300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
1/ 53				1.3	1.3													2	7						
1/ 51			1.3															1	1						
1/ 49		2.6			1.3													3	3						
1/ 47		2.6			1.3													3	3	4					
4/ 45		3.9	3.9															6	6	5					
4/ 43		2.6	1.3															3	3	5					
2/ 41	1.3	7.8	7.8															13	13	6					
2/ 39	1.3	6.5		1.3														7	7	5					
1/ 37		1.3	3.9															4	4	6					
1/ 35	2.6	2.6	5.2															8	6	5					
3/ 33	5.2	6.5																9	9	7					
1/ 31	1.3	3.9	3.9															7	7	6					
1/ 29		3.9																3	3	3					
1/ 27		1.3																1	1	14					
1/ 25		5.2																4	4	3					
1/ 23	1.3	2.6																2	3	6					
2/ 21																				5					
1/ 19																				2					
TOTAL	17.053	227.3	2.6	1.3														77	77	77					

Element (X)	Σx'	Σx	x̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5336.7	6355	82.581	0.08	77							
Dry Bulb	1141.7	2911	37.8	7.314	77		21.7					93
Wet Bulb	1.16.4	2752	35.7	6.626	77		32.5					93
Dew Point	86265	2521	32.7	7.003	77		43.5					43

## YEARS

73~81

448

MONTH

PAGE 1

0600-0500

HOURS L. S. T.

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
METETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

10 33°      FINTHEN AAF, DL  
STATION      STATION NAME

73-61

YEARS

MAD  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
61				.2	.2													2	2				
59			.2	.1	.2													7	7				
57		.2	.2	.9		.3												9	9				
55		.7	.7	1.4	.2													17	17	3			
53		.8	.8	2.2	.3													25	25	11	1		
51	.2	.7	2.0	1.0														28	28	18	8		
49		1.0	.5	.7														13	13	18	12		
47		.5	3.0	1.5	.2													31	31	35	14		
45		4.2	4.4	2.5														66	66	33	22		
43		3.2	5.9	.3	.2													57	57	55	21		
41	.3	8.5	4.1	1.5	.3													87	87	56	65		
39	.7	7.4	3.6	.5														72	72	83	56		
37	.3	5.9	3.6	.5														61	61	71	73		
35	1.5	3.2	2.4	.2														47	47	73	59		
33	.7	3.6	1.9															36	36	53	65		
31	.5	1.5	.5															15	15	47	63		
29	.2	1.0	.3															9	9	31	36		
27		.8																5	5	8	45		
25		.5																3	3	4	17		
23		.2																1	1	2	21		
21																					11		
19																					2		
TOTAL	4.444	534.0	14.4	2.4	.3													591		591	591		

Element (X)	Σ x'	Σ x	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3624201	46287	78.3	6.815	591	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	177773	24905	42.1	6.922	591		5.2					93
Wet Bulb	934377	23213	30.3	6.193	591		12.9					93
Dew Point	777109	21067	35.6	6.657	591		30.7					93

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**0.26.5 (OL A)**

1000

**USAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
A LEATHER SERVICE/HAC

## PSYCHROMETRIC SUMMARY

1 335 FINTHEN AAF, DL  
STATION

73-81

MAJ  
MONTH

PAGE 1      1250-1400  
HOURS (L. S. T.)

[illegible]



2  
 CENTRAL CLIMATOLOGY BRANCH  
 INAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1 339 FINNEN AAF, UL 73-81 YEARS MONTH

PAGE 1 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb			Wet Bulb			Dew Point													
7 / 77									.2									1	1																		
6 / 75																		1	1																		
6 / 73										.2								4	4																		
7 / 71																		1	1																		
7 / 69				.2					.2									2	2																		
6 / 67																		6	6																		
6 / 65					.7	.2			.2									4	4																		
4 / 63						.2	1.0	.7										15	15																		
7 / 61				.7	.7	1.3	.5	.3	.2									22	22																		
7 / 59				1.2	.1	1.3	1.0	.5										29	29																		
7 / 57		.2		.9	.8	.5	1.0											20	20																		
5 / 55		.3	.3	1.9	1.1	1.0	.7											31	31																		
4 / 53		.3	.8	2.4	1.0	2.0	.3											44	44																		
2 / 51			1.9	2.9	2.7	1.2	.3											53	53																		
1 / 49		.2	1.7	1.2	1.7	1.9	.5											42	42																		
4 / 47		.5	2.2	3.2	2.0	.3												49	49																		
4 / 45	.2	1.9	3.9	4.9	4.4	.5												93	93																		
4 / 43		2.4	2.2	1.2	1.5	.2	.3											46	46																		
2 / 41		3.2	2.5	2.0	1.0	.2												53	53																		
4 / 39		1.2	2.0	2.2	.3													34	34																		
3 / 37	.2	2.0	2.2	.3														28	28																		
7 / 35		1.0	.7	.2														11	11																		
3 / 33	.5	.3																5	5																		
2 / 31																																					
0 / 29																																					
7 / 27																																					
7 / 25																																					
2 / 23																																					
2 / 21																																					
7 / 19																																					
1 / 17																																					
0 / 15																																					
TOTAL		13.5	20.4	25.1	18.9	11.8	6.7	2.2	.5	.2								594	594		594													594			
Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>g</sub>	X	F <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.	2469769	37161	62.6	5.363	594	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	93																									
Dry Bulb	1462256	29082	49.0	8.043	594			2.3	.9			93																									
Wet Bulb	1122247	25543	43.0	6.393	594		2.0					93																									
Dew Point	798412	21319	35.9	7.489	594		31.8					93																									

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

GLOBAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE /MAC

## PSYCHROMETRIC SUMMARY

1 335	FINTHEN AAF, DL
STATION	STATION NAME

73-61

YEARS

4 A 3  
MONTH

PAGE 1      1800-2000  
HOURS (L - S - T)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
JAFETAC  
AIR WEATHER SERVICE/AC

## PSYCHROMETRIC SUMMARY

USE WITH CARE  
SEE FIRST PAGE

1 - 336 FINTHEN AAF, CL

73-61

STATION

STATION NAME

YEARS

485  
MONTH

PAGE 1

ALL

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point												
7 / 77																		1	1													
6 / 75																		1	1													
4 / 73																		4	4													
1 / 71																		3	3													
1 / 69																		4	4													
4 / 67																		10	10													
6 / 65																		10	10	1												
4 / 63																		26	26	1												
3 / 61																		54	54	3												
1 / 59																		76	76	9												
1 / 57																		60	60	10												
5 / 55																		113	103	23												
4 / 53																		140	140	73												
1 / 51	.1	.5	1.7	1.3	1.4	.4	.1											164	164	96												
3 / 49		.9	1.4	1.7	.7	.6	.1											159	159	129												
1 / 47		1.1	2.4	1.3	1.1	.2												190	190	234												
4 / 45	.2	2.9	4.4	3.5	1.5	.1	.											355	365	233												
4 / 43	.2	3.3	3.5	1.5	.6	.0	.1											272	272	324												
3 / 41	.2	5.2	4.2	1.9	.4	.1												352	352	311												
4 / 39	.5	5.0	2.1	1.0	.2													258	259	347												
1 / 37	.5	3.4	2.7	.9														222	222	352												
1 / 35	.5	3.1	1.7	.2														164	164	246												
3 / 33	.9	2.5	.9	.1														128	128	245												
2 / 31	.2	1.4	.5															63	63	184												
1 / 29	.3	.9	.2															43	43	42												
1 / 27	.1	.3																12	12	28												
1 / 25		.7	.0															21	21	17												
2 / 23	.1	.3																11	11	15												
2 / 21	.1																	2	2	5												
1 / 19																																
1 / 17																																
1 / 15																																
1 / 13																																
1 / 11																																
1 / 9																																
Element (X)	Σ X'	Σ X	X	X	No. Obs.	Mean No. of Hours with Temperature																										
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Level																				
Dry Bulb																																
Wet Bulb																																
Dew Point																																

## PSYCHROMETRIC SUMMARY

YEARS

MONTH

All

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

13.75-76.67--1 YEARS

ADD  
MONTH

PAGE 1 0322-0523  
HOURS (11 - 5 - 7)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
1 / 45		.9																2	2		
4 / 53		1.5	.9		1.													5	5	1	1
7 / 51		.9	1.3		.5													4	4	3	
11 / 41	1.1	1.8	.9	.9		1.8												8	8		
7 / 47		2.6	.5	4.4	.4													10	10		
1 / 45		7.1	3.5		.9													13	13	3	4
4 / 43	.5	2.6	2.6	1.8														6	9	2.8	5
12 / 31		4.4	5.3	.2														11	12	11	11
4 / 31		.9	3.5	4.4														10	10	7	10
1 / 37	1.2	7.1	1.5															11	12	12	12
7 / 35	.5	12.3	3.5															19	19	16	6
2 / 33		1.5	.9															7	7	17	12
1 / 31		4.4																5	5	9	19
12 / 21		.9																1	1		12
1 / 29		.9																1	1	1	9
1 / 25																					4
1 / 23																					2
11 / 11	1.1	152.6	26.3	7.9	1.3	1.1													114		114
																		114		114	

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CLIMATOLOGY BRANCH  
ITAC  
EAT. R. SCERVIC / IAC

## PSYCHROMETRIC SUMMARY

1 33'	FINTHER AAF, DL
STATION	STATION NAME

73-41

YEARS

2 D:  
MONTH

PAGE 1

1600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
7 / 51						.2												1	1													
7 / 57			.2		.2	.2												4	4													
7 / 55			.2	.5	.7	.4	.2											8	9	1												
7 / 57	.2	.2	1.3	1.4	.5		.2											21	21	3	3											
7 / 51		1.1	2.3	1.1	.5													25	29	9												
7 / 4	.5	1.6	1.3	1.3	1.4													34	34	71	6											
7 / 47	.5	3.6	1.4	2.1	.7													45	45	39	17											
7 / 45	.4	7.6	4.2	3.6														57	57	55	42											
7 / 43	.4	2.9	3.6	.5														43	43	62	24											
7 / 41		4.3	4.2	1.4	.2													58	59	61	51											
7 / 3	.9	3.8	5.1	.5														57	57	56	56											
7 / 77	1.1	5.8	3.1	.2														56	56	46	51											
7 / 35	.4	7.9	2.9															62	62	71	55											
7 / 73	.2	3.1	1.4															76	76	73	43											
7 / 31	.7	2.5																15	18	43	74											
7 / 27		.5																3	3	12	23											
7 / 27		.4																2	2	2	55											
7 / 25																					13											
7 / 23																					6											
7 / 1		1.245	.731	.412	.8	4.2	.5	.2											554		554											
																		554		554												

Element (X)	Σ X'	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3455665	43359	79.3	11.423	554	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1022913	23547	42.5	6.319	554		3.7					93
Wet Bulb	8356	21962	39.6	5.662	554		9.3					93
Dew Point	737047	19909	35.9	6.247	554		33.5					93

1. J. L. CLIMATOLOGY BRANCH  
 2. METAC  
 3. WEATHER SERVICE / 140

## PSYCHROMETRIC SUMMARY

1 335 FIFTHEN AAF, DL  
STAT ON STATION NAME

73-81

YEARS

APR  
MONTH

PAGE 1 1950-1951  
HOURS 10, 8, 7, 1

[illegible]0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**JSAFETAC**

CENTRAL CLIMATOLOGY BRANCH  
METAC  
FATHER SERVICE/HAC

## PSYCHROMETRIC SUMMARY

1 731	FIVINEN AAF,OL
STATION	STATION NAME

73-61

YEARS

100  
MONTH

PAGE 1 1200-1400  
HOURS 11.5.72

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
7 / 77										.2	.2								3						
7 / 71										.1	.2	.7							1						
47 / 72										.1	.2	.7							9						
7 / 71										.9	.2	.7							14	14					
7 / 69							.4	1.2	.4	.6									17	17					
7 / 67							.2	.7	1.1	.6									17	16					
67 / 65						.4	.7	.7	1.2	.2									18	18					
67 / 61				.2	1.1	2.5	.7	.2	.5										31	31	1				
7 / 59				.7	.9	.9	1.4	.4	.4										26	29	2				
7 / 57				.4	1.2	1.6	1.4	.2	.4										26	29	4				
7 / 55			.2	.2	1.2	1.4	.7	.2	.2										26	26	14				
57 / 55			.7	.7	1.4	.2	.7	.2	.2										37	37	43				
47 / 53		.2	.7	1.2	1.6	1.1	.7	.2	.2										32	32	43				
47 / 51		.2	.4	.2	2.5	2.1	.2	.4											35	35	34				
7 / 49		.4	.2	2.1	2.7	1.6	.7	.2											38	39	49				
7 / 47		.5	.4	1.2	3.2	1.1	.2												37	37	40				
47 / 45		1.4	3.6	5.2	2.7	.2													73	73	71				
47 / 43		1.2	1.2	3.0	2.7	.4													44	44	50				
7 / 41		1.6	2.5	1.6	.5														35	35	65				
57 / 39		1.2	1.6	.5	.2														20	20	71				
77 / 37		1.2	.7																11	11	49				
7 / 35	.4	.2	.2																4	4	31				
5 / 33	.2																		1	1	13				
7 / 31																					2				
7 / 29																					53				
7 / 27																					28				
7 / 25																					19				
7 / 23																					9				
27 / 21																					2				
7 / 19																					2				
7 / 17																					3				
TOTAL	.5	2.12	3.17	3.22	1.16	.2	.1	5.7	5.2	1.6	1.6								560	560	560				
																			560		560				
																				560					
Element (X)	Σ x <sup>2</sup>	Σ x	X	C <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total													
Rel. Hum.	1-77923	31159	5.6	16.361	567	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb	1621943	29657	57.	0.583	560			9.6	2.1			90													
Wet Bulb	1160376	25226	45.0	6.560	560				.3			90													
Dew Point	764617	20337	36.3	6.627	560				28.9			90													



CENTRAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1	335	FINTHER AAF, DL
STATION		STATION NAME

73-81

YEARS

AD  
MONEY

PAGE 1 1-20-1730  
HOURS 11. 5. 11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
77																					.4	.4	.2										5	5		
77																					1.2	.2	.4	.2									13	13		
77													.2	.2	.5	1.1	.2	.5	.2														16	16		
78												.2	.2	.5	.7	.4																	12	12		
78												.2	.4	.6	1.1	.7																	15	15		
78												.5	1.3	.4	.5																		17	17		
78											.5	.4	1.1	1.3	.4																		20	20		
78											.4	.4	1.6																				13	13		
78											.2	1.1	.2	1.6	1.3	.2																	27	27	1	
78											.2	.2	1.4	.5																			21	21	3	
78											.2	.5	1.7	2.2	1.4	1.3	.2																41	41	14	
78											.4	1.3	2.4	1.1	1.4	.5																	39	39	27	
78											.3	.2	.5	2.7	.7	.2																	29	29	71	2
78											.7	.2	1.1	1.4	.7	.2																	24	25	37	1
78											.2	.2	1.3	2.4	.5																		31	31	40	9
78											.2	.4	1.3	1.3	2.4	.4																	35	35	54	11
78											1.1	1.1	2.3	1.3																			70	70	72	21
78											.4	.9	3.4	4.1	3.1	.2																	70	70	51	34
78											1.1	2.2	1.3	1.3	.2																		39	39	58	35
78											2.5	2.7	1.1																				32	36	66	39
78											1.1	1.1																					13	12	57	57
78																																				

GLOBAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SUBCLIMAC

## PSYCHROMETRIC SUMMARY

1 33	FINTHER PA, L
STATION	STATION NAME

73-c1

YEARS

5455

25  
MONTH

1800-2000

HOURS (L. S. T.)

[illegible]

LEGAL CLIMATOLOGY BRANCH  
METAC  
ATTN: SERVICE/PAC

## PSYCHROMETRIC SUMMARY

1 331	FATHER. AAF, L
STATION	STATION NAME

3-49

YEARS

40.3  
MONTH

1 2 3 4

ALL

HOURS: 11.5

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

10 331	FINTHEN AAF, DL
STATION	STATION NAME

13-41

YEARS

APC  
MONTH

## INDEX

311  
HOURS (L. S. T.)

[illegible]

1 336	FINTHEN AAF, DL
STATION	STATION NAME

YEARS

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
67 65																		1	1																	
47 62																		1	1																	
27 61																		1	1																	
7 59			.9	.9		.9	1.8	.9										6	6																	
7 57		1.8	2.7	.9	.9													7	7																	
5 55		1.8	2.7	.9	1.8													8	8																	
47 53	.9	2.7	7.1	.9														13	13	6	5															
27 51		.9	7.1	.9														12	12	12	2															
7 49	1.8	5.4	9.9	.9														20	20	17	4															
7 47		3.6	4.5		1.8													11	11	24	11															
4 45		3.6	1.8	3.6														10	10	10	22															
47 43		2.7	1.8	.9														8	8	6	9															
27 41		3.6	3.6	.9														9	9	10	17															
17 39	.9	2.7																4	4	10	7															
7 37	.9		.9															2	2	7	10															
7 35		.9																1	1	1	6															
3 33																					5															
27 31																					2															
7 29																					3															
7 27																					2															
TOTAL	0.430	4.42	.9	9.8	6.0	2.7	.9											112		112	112															

Element (X)	Σx <sup>1</sup>	Σx	x̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	134039	87.5	77.7	12.541	112	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	42093	55d1	49.8	5.995	112							53
Wet Bulb	244056	52d0	46.9	5.392	112							53
Dew Point	203034	4798	42.8	6.200	112		5.9					

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
MONTH

MAY

1 23 FATHER AAF, CL

13-81

4AY

STATION	STATION NAME
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YEARS

**MONTH**

PAGE 1

2603-0960

HOURS (L, S, T.)

0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS PUBLICATION  
JAN 64

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE /MAC

## PSYCHROMETRIC SUMMARY

1	335	FINNEY AAF, DL
	STATION	STATION NAME

73-41

YEARS

5 MAY  
MONTH

PAGE 1 3900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
77																		1	1																	
77																		3	3																	
77																		4	4																	
77																		7	7																	
77																		8	8																	
77																		12	12																	
77																		16	16	1																
77																		14	14	2																
77																		52	52	5	1															
77																		47	47	8	1															
77																		65	65	19	6															
77																		44	44	71	3															
77																		51	51	66	17															
77																		54	54	72	23															
77																		51	51	66	33															
77																		35	35	61	52															
77																		27	27	66	59															
77																		31	31	61	60															
77																		12	12	33	66															
77																		9	9	29	3															
77																		8	8	17	35															
77																		3	3	12	35															
77																				4	16															
77																				1	27															
77																					11															
77																					6															
77																					1															
77																					1															
77																					554															
77																		554		554																

Element (X)	Σ x <sup>2</sup>	Σ x	x̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2489193	36168	65.285	670	554	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1792020	31214	56.3	7.764	554			8.6	2.5			93
Wet Bulb	1434272	27698	50.0	5.903	554			2				93
Dew Point	1097363	24361	44.0	6.875	554		5.9					93

1-33	FINTHEN AFFDL	73-81	DAY
STATION	STATION NAME	YEARS	MONTH
			PAGE 1 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
7 / 61											.2			.2				1	1					
6 / 7									.2		.2			.2				3	3					
6 / 63									.2		.2	.2		.2				2	3					
7 / 61									.5	.5	.7	.2						13	13					
7 / 79						.2			.5	.2		.2						7	7					
7 / 77								.2	1.3	.7	.5			.2				20	20					
7 / 75							.2	.2	.5	1.1								15	15					
4 / 73					.2	.2	.4	1.4	.7	.5	.4							21	21					
7 / 71						.4	.5	1.3	1.3	.7	.2							24	24	2				
7 / 69				.2		1.6	.7	2.2	1.4	.5								35	35	1				
6 / 67					.4	1.3	.4	.9	.2	.2								18	18	2				
6 / 65			.2	.2	.2	1.1	3.3	1.6	.5	.4								47	47	11				
4 / 63			.5	1.3	2.2	3.4	1.4	1.1	1.3									62	62	15				
2 / 61			.3	1.3	2.7	1.4	.5											72	32	28				
7 / 59		.4	1.1	2.2	2.5	2.5	1.3	.7		.2								60	60	38				
7 / 57		.7	1.5	.5	1.3	1.4	.9	.2										38	39	51				
5 / 55		.7	.9	1.3	2.7	1.1		.2										38	38	67				
4 / 53		.4	.5	2.0	1.1	.8	.2	.4										30	30	85				
2 / 51	.5	.7	1.3	1.3	.7	.2	.2											27	27	36				
7 / 49	1.1	1.1	.7	.5														20	20	49				
7 / 47	.4	.4	.2	.4														10	10	69				
4 / 45	.2	.7	.4	.9	.4													14	14	41				
4 / 43	.5			.5														6	6	18				
7 / 41		.5	.4															5	5	12				
7 / 39	.5																	3	3	7				
7 / 37																				10				
7 / 35																				20				
3 / 33																				16				
2 / 31																				27				
7 / 29																				10				
7 / 27																				7				
7 / 25																				1				
2 / 23																				2				
2 / 21																				1				
Element (X)	Σ X'				Σ X	X	σ <sub>x</sub>	No. Obs.				Mean No. of Hours with Temperature												
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																								
Wet Bulb																								
Dew Point																								



## PSYCHROMETRIC SUMMARY

1 331	FINTHEN AAF, DL
STATION	STATION NAME

73-81

YEARS

MAY  
MONT

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]



10

• • • T A C

11 335 F. J. THERY AAF, DL

11 335 FATHER RAY, J L  
STATION STATION NAME

73-61

## PSYCHROMETRIC SUMMARY

495  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B. Dry Bulb	Wet Bulb	Dew Point	
72.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	

CLIMATE CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE

## PSYCHROMETRIC SUMMARY

1 735 FIN THEN AAF,DL

3-61

• 44

STATION	STATION NAME
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YEARS

**MONTH**

PAGE 1      1670-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
77																		1	1																
78												.4						3	3																
79												.2	.2					2	2																
80									.2	.2	.2	.4						6	6																
81								.4	.4	.4	.4	.2	.2					10	10																
82							.4	.4	.4	.4	.4	.4	.2	.2				10	10																
83						.4	.4	.4	.4	.4	.4	.4	.4	.2				16	16																
84					.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.2			14	14																
85				.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.2		21	21	1															
86			.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.2	28	28	1															
87		.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	28	28	5															
88	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	27	27	12															
89	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	24	24	18															
90	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	22	22	2															
91	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	22	22	9															
92	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	22	22	12															
93	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	22	22	15															
94	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	22	22	17															
95	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	22	22	19															
96	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	22	22	21															
97	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	22	22	23															
98	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	22	22	25															
99	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	22	22	27															
100	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	22	22	29															
101	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	22	22	31															
102	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	22	22	33															
103	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	22	22	35															
104	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	22	22	37															
105	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	22	22	39															
106	.4	.4</																																	

USAFETAC FORM 0 26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64



USAFETAC

METEOROLOGICAL CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

10 33: FIFTEEN SAF, 2L  
STATION STATION NAME

73-81

YEARS

MAY  
MONTH

PAGE 7 1922-2011  
HOURS (U.S.T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
MILITAC  
MESSAGE SERVICE/NAO

## PSYCHROMETRIC SUMMARY

1. 33 FIN THEN REF. L  
STATION STATION NAME

73-81

YEARS

DAY  
MONTH

CAE: I

ALL  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L A)

USAFETAC FORM 8-64

GLOBAL CLIMATOLOGY BRANCH  
METAC  
FATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

<u>1</u>	<u>FIFTH AAF, 81</u>	<u>73-81</u>	<u>MAY</u>
STATION	STATION NAME	YEARS	MONTH
		PAGE 2	ALL
		HOURS (L, S, T)	

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Dry Bulb	Wet Bulb	Dew Point			
/ 51																																				3		
/ 20																																				4		
/ 20																																				5		
/ 21																																				6		
/ 1																																				7		
/ 11																																				8		
11	7.4	12.5	16.7	15.1	12.7	12.8	7.6	5.3	4.6	3.3	1.9	1.1	.7	.2																					2766	2766	2766	
																																				2766	2766	

Element (X)	Σ X'	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	11263666	168387	61.9	19.146	2766	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	9905554	163062	59.0	10.268	2766		.3	162.3	80.7	27.2	1.1	744
Wet Bulb	7339642	141310	51.1	6.598	2766		.8	5.9				744
Dew Point	5473284	121490	43.9	7.160	2766		52.2					744

NATIONAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/ IAC

## PSYCHROMETRIC SUMMARY

1. 33-	FIATHEM AAF, L
STATION	STATION NAME

73,75-81

YEARS

775  
MONTA

PAGE 1 0370-0507  
HOURS (11:51)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
METAC  
EARTH SERVICE/MAC

## PSYCHROMETRIC SUMMARY

2 331 FINTHEN AAF, DL  
STATION STATION NAME

73-61

YEARS

JUN  
MONTH

PAGE 1 36-20-5840  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
1 / 75							.1	.2	.4									4	4												
2 / 75								.4	.4									4	4												
3 / 73					.2	.2	.6											7	7												
4 / 69				.6	.4	.4												7	7												
5 / 67			.7	.7	1.3	.9	.2											21	21												
6 / 64		.2	1.2	1.1	.6	.2	.4											23	23												
7 / 63		1.5	3.9	6.9	2.1	.4	.2											60	60	17	3										
8 / 61		1.2	4.1	1.7	.9	.4	.2											56	56	40	10										
9 / 59	.2	3.4	6.0	2.6	1.9	.2												76	76	61	35										
10 / 57		1.7	3.7	1.9	.4	.2												53	53	35	47										
11 / 55	.2	4.1	2.4	3.4	.4	.2												57	57	69	38										
12 / 52	.4	3.2	2.8	1.9	.4													46	46	62	74										
13 / 51	.2	3.0	3.0	.3														36	36	50	64										
14 / 49		2.4	1.5		.2													29	29	58	42										
15 / 47	.4	.6	1.7	.4														14	14	49	34										
16 / 45	.2	1.9	.9	.4														16	16	22	58										
17 / 43		.6	.4															5	5	10	36										
18 / 41		.2																1	1		26										
19 / 39																				3	13										
20 / 37																															
21 / 33																															
22 / 31																															
TOTAL	1.0	24.8	32.2	1.0	2.0	3.2	2.1	.7										535	535	535	535										

Element (X)	Σ x <sup>2</sup>	Σ x	x̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3222457	41.61	76.811	2.62	535	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1837094	31172	54.3	6.248	535			7.2	1.3			9.0
Wet Bulb	1561453	28957	54.1	5.243	535							9.0
Dew Point	1395565	27155	50.8	5.665	535							9.0

## PSYCHROMETRIC SUMMARY

1. 33 STATION  
11. THEN AAF, DL STATION NAME

73-81

YEARS

June  
MONTH

PAGE 1 0900-11.0  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1. 33' FIN THEN AAF,OL  
STATION STATION NAME

72-61

YEARS

MONTH

PAGE 1 1200-14.5  
HOURS 11.5-1.0

[illegible]

METEOROLOGICAL CLIMATOLOGY BRANCH  
 ETAC  
 WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1 33' INTER. AAF, DL

73-81

YEARS

     JULY  
 MONTH

PAGE: 1400-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
T.L.		4.5	0.1	.02	.01	7.41	.10	.5	5.6	5.5	0.0	.	.	9	.6	.		559	559	559	559
		</																			

GLOBAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1 73F FINTHEN AAF, DL  
STATION STATION NAME

73-81

YEARS

\_\_\_\_\_  
MONTH

PAGE 1 1522-1742  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1 335	FATHER AAF, DL
STATION	STATION NAME

73-c!

YEARS

July  
 MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

2

1. CLIMATE BRANCH  
AFHAC  
AFHAC SERVICE/NAO

# PSYCHROMETRIC SUMMARY

1 335 FINNEN AAF, DL  
STATION STATION NAME

73-81

YEARS

JUN  
MONTH

PAGE 1

1600-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
1 / 95															.4			3	3			
4 / 92														.2	.2			3	3			
1 / 91													.2	.2	.2			4	4			
1 / 85												1.5	.2	.2				3	9			
4 / 87										.4				.2				7	7			
4 / 85										.6	.6	.2						7	7			
4 / 82										.4	.4	.2						8	8			
1 / 81																		18	18			
1 / 79						.4	.2	1.1	1.5	.6								13	18			
1 / 77							1.1	.2	2.2	1.5	.6	.4						22	32			
4 / 71					.4	.4	1.5	1.1	.4	.4								22	22			
4 / 71					.2	.6	3.0	1.1	.6									37	37			
1 / 71					.2	.6	1.3	.6	.4	.2								19	19			
1 / 69			.2	.2	1.3	2.6	.9	1.1	.2	.2								31	31	16		
1 / 67			.4	.6	1.7	1.5	.6	.2										22	22	24		
6 / 65			.2	1.3	2.2	1.5	.6											27	27	35		
4 / 63		.6	3.0	4.3	2.6	2.6	1.7	.2	.2									72	72	44	10	
2 / 61	.2	.4	1.9	.9	1.9	.2												26	26	60	14	
1 / 59		1.1	.6	1.7	1.7	.9	.2											29	29	65	30	
1 / 57		.9	1.5	.6	.2	.2												16	16	59	52	
5 / 55		1.3	.9	2.7	1.1	.2												26	26	39	51	
4 / 53		.2	2.2	.2	.4													14	14	48	48	
2 / 51		.4	.9															6	5	23	56	
1 / 49		.4	.4															4	4	29	38	
1 / 47		.4	.6															5	5	14	49	
4 / 45																				51	52	
4 / 43																				29		
2 / 41																				19		
40 / 31																				11		
3 / 37																				2		
1 / 35																				1		
3 / 33																				2		
2 / 31																				1		
Element (X)	Σ x <sup>2</sup>	Σ x	Σ	Σ <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature							Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																						
Wet Bulb																						
Dew Point																						

FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC AIR 54

## PSYCHROMETRIC SUMMARY

YEARS

۲۲۸  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
71	.2	5.0	12.9	12.7	14.0	13.8	11.4	7.8	6.7	5.2	1.9	4.1	.5	1.1	.9			454	868	454	454															

USAFETAC FORM 0-26.5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



U.S. AIR FORCE  
 CLIMATE BRANCH  
 WET BULB TEMPERATURE DEPRESSION (F)

# PSYCHROMETRIC SUMMARY

STATION: FORT HENRY AFB, OH

73-61

YEARS

MONTH

PAGE 1

ALL

HOURS (L.S.T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	TOTAL	TOTAL	TOTAL
																		D.B. W.B. Dry Bulb	Wet Bulb	Dew Point
77 / 97																		2	5	
77 / 95																		17	17	
77 / 93																		5	9	
77 / 91																		14	14	
77 / 89																		14	14	
77 / 87																		14	14	
77 / 85																		24	24	
77 / 83																		41	41	
77 / 81																		64	64	
77 / 79																		64	64	
77 / 77																		135	135	
77 / 75																		135	135	
77 / 73																		134	134	1
77 / 71																		125	125	0
77 / 69																		150	158	47
77 / 67																		144	144	18
77 / 65																		177	177	154
77 / 63																		356	356	43
77 / 61																		216	216	55
77 / 59																		234	234	25
77 / 57																		177	177	281
77 / 55																		170	170	208
77 / 53																		172	172	323
77 / 51																		97	97	321
77 / 49																		63	63	272
77 / 47																		37	37	276
77 / 45																		22	22	327
77 / 43																		9	9	167
77 / 41																		4	4	119
77 / 39																				61
77 / 37																				21
77 / 35																				10
77 / 33																				
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	Z <sub>5</sub>	Z <sub>6</sub>	Z <sub>7</sub>	Z <sub>8</sub>	Z <sub>9</sub>	Z <sub>10</sub>	Z <sub>11</sub>	Z <sub>12</sub>	Z <sub>13</sub>	Z <sub>14</sub>	Z <sub>15</sub>	Z <sub>16</sub>	Z <sub>17</sub>	Z <sub>18</sub>	Z <sub>19</sub>	Z <sub>20</sub>
Rel. Hum.																				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

## PSYCHROMETRIC SUMMARY

13-61

Y1A09

MONTI

45

— 111 —

MOVERS (L. S. 2)

[illegible]

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



1. GLOBAL CLIMATOLOGY BRANCH  
2. SECRET  
3. W. BATH R. SERVICE/SEC

## PSYCHROMETRIC SUMMARY

1 33°	FIRTHEN AAF, DL
STATION	STATION NAME

73-61

YEARS

JUL  
MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

[illegible]



2

FEDERAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1 336 FINTHEN AAF, DL  
STATION STATION NAME

73-61

YEARS

JUL  
MONTH

PAGE 1 1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb		Dew Point			
87 85													.2			.2					1	1			
87 83													.2			.2					3	3			
87 81													.2			.2					2	2			
87 79											.2	.2	.3	1.1							10	10			
87 77											.3	.7	.7	.2	.3						7	7			
87 75											.3	.7	.7	.2	.3						13	13			
87 73							.2	.5	.7	.5	1.7	.7	.2	.2							21	21			
87 71						.2	.5	.7	.7	1.2	1.2	.5	.5								31	31			
87 69						.3	.5	1.3	1.0	.2	.2										23	23			
87 67						.7	2.2	2.2	.7	.3	.2										37	37			
87 65						.7	1.0	1.0	2.0												26	26			
87 63				.5	.7	2.2	2.7	.7													38	38			
87 61				.5	.7	.5	3.2	1.5													38	38	8	1	
87 59						1.3	2.0	1.2	.8												37	37	19		
87 57			.2	.7	2.8	2.3	1.7														46	46	37	3	
87 55			.3	.5	1.2	2.2	2.3	.5													42	42	58	4	
87 53	.3		.7	1.5	1.7	2.8	5.5	1.2													62	62	63	20	
87 51			.8	1.8	1.7	2.7	.8														47	47	82	15	
87 49	.2		1.5	2.2	2.7	3.0															57	57	81	63	
87 47		.8	1.2	1.0	.2	.2															20	20	63	74	
87 45		1.2	1.0	.3																	15	15	71	45	
87 43		.2	.5																		4	4	75	91	
87 41																							32	76	
87 39																							6	54	
87 37																							1	52	
87 35																								75	
87 33																								19	
87 31																								7	
87 29																								1	
TOTAL	.1	5.5	6.8	17.2	16.5	19.7	14.5	9.0	3.7	4.5	1.7	2.3	1.7	.2	.5						600	600	600		
Element (X)	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Mean No. of Hours with Temperature				
Rel. Hum.	2152514	34670	57.8	5.781		600																			
Dry Bulb	2949264	41724	69.5	8.931		600																			
Wet Bulb	2162277	35985	59.8	5.177		600																			
Dew Point	1697179	31741	52.9	5.986		600																			

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GENERAL CLIMATOLOGY BRANCH  
METAC  
AIR FATHER SERVICE/MAL

## PSYCHROMETRIC SUMMARY

1 33: FIATHEN AAF, DL  
STATION STATION NAME

73-81

YEARS

**JULY**

PAGE 1 1510-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
1/ 97																	.3				2	2		
6/ 95																	.2				5	5		
1/ 93																	.3	.5	.2	.2		9	9	
1/ 91																	.3	.7	.2		10	10		
1/ 89																	.3	.2	.2		21	21		
9/ 87																	.5	.2			19	19		
6/ 85																	.2	.2			15	15		
4/ 83																	.2	.2			19	19		
7/ 81																	.2	.2			31	31		
1/ 79																	.2	.2			20	20		
7/ 77																	.2	.2			52	52		
1/ 75																	.2	.2			22	22		
4/ 73																	.2	.2			39	39	3	
1/ 71																	.2	.2			25	25	11	
1/ 69			.2	.9	.2	1.4	.6	2.7	1.6												57	57	30	
1/ 67			.3	1.6	.2	1.4	1.7	.3													33	33	46	
6/ 65			.7	1.5	1.2	.9	1.5	.2													35	35	71	
4/ 63			.9	2.1	1.9	1.5	4.1	1.0	.2												68	68	73	
7/ 61			.5	1.2	1.9	1.2	1.2	.2													36	36	67	
7/ 59			.2	2.2	1.2	1.7	.7														35	35	78	
1/ 57			.3	1.2	1.0																15	15	58	
5/ 55			1.0	.7	.9																1	15	64	
4/ 53			.2																		1	1	58	
2/ 51			.2																		1	1	17	
1/ 49																								
1/ 47																								
4/ 45																								
4/ 43																								
2/ 41																								
4/ 39																								
1/ 37																								
TOTAL		.2	5.3	2.4	1.3	2.4	3.2	1.5	4.3	5.8	5.8	6.2	3.4	1.5	.9	1.0	.5	.2</						

GLOBAL CLIMATOLOGY BRANCH  
JAFETAC  
AF FATHER SERVICE/PAC

## PSYCHROMETRIC SUMMARY

1. 334	FINTHEN AAF, DL
STATION	STATION NAME

73-81

**YEARS**

JUL  
MONTH

PAGE 1

1850-2000  
HOURS (L. S. T.)

[illegible]



FEDERAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

## CHROMIUM

1 33°	FINTHEN AAF, DL
STATION	STATION NAME

73-81

YEARS

JUL  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

[illegible]

FORMS  
IN A-2  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

CLIMAT CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1-335	FINTHE. AAF,OL
STATION	STATION NAME

73, 75-77, 80-91

YEARS

AUG  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

[illegible]

0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
JANFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

10:335      FINTHEN AAF.DL  
STATION      STATION NAME

73-81

YEARS

ALL  
MONTH

PAGE 1 7600-1800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
47 70				.3	.5													5	6					
47 71				.5	.5													5	6					
47 69				.2	.9	.2												9	9					
47 67			1.2	.2	.5		.2											15	15	2				
47 65		.9	1.7	2.4	1.4	.5												40	40	15				
47 63	.3	3.4	3.9	4.6	1.2	.5												81	81	21				
47 61	1.7	2.6	5.6	3.6	1.2	.2												97	87	64				
47 59	.5	6.5	9.9	2.7	.3	.5												120	120	66				
47 57		7.0	5.1	.7	.5	.2												79	79	173				
47 55	.7	4.1	3.2	1.0	.7													57	57	118				
47 53	.2	2.4	2.1	.2														28	29	77				
47 51	.2	2.4	1.4	.2														24	24	82				
47 49		1.9	1.0															17	17	37				
47 47	.2	.7	.2															6	6	27				
47 45	.2	1.0																7	7	8				
47 43	.2																	1	1	4				
47 41																				1				
47 39																				1				
TOTAL	3.933	.035	.617	.9	6.9	2.4	.3											585	585	565				

GENERAL CLIMATOLOGY BRANCH  
METAC  
A. LEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1. 33	FINTHER AAF, L
STATION	STATION NAME

73-61

YEARS

AUG  
MONTH

PAGE 1 0930-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
77 62									.2									1	1						
77 61								.2	.4									6	6						
77 60						.2	.3	.3										6	6						
77 59					.7	1.0	1.1	1.1		.3								25	25						
77 58					1.0	1.3	.7	1.0	.2									25	25						
77 57				.7	1.0	1.1	1.0	.5	.2									31	31						
77 56			.2	.6	1.6	1.1	1.5	.2	.2									32	32	2					
77 55			.5	1.5	1.3	3.1	.2											44	44	7					
77 54		.2	.7	1.0	3.3	2.1	.2											49	49	24	2				
77 53			3.3	3.6	2.1	.5	.5											61	62	34	4				
77 52		1.1	4.1	6.4	5.3	2.1	.2											117	117	53	19				
77 51		.5	3.3	3.1	2.6	.5												73	73	54	32				
77 50		7.8	3.1	2.8	1.6	.3												71	71	113	82				
77 49		1.6	.8	1.8	1.													32	32	102	79				
77 48		1.0	1.5	.7														19	19	73	87				
77 47		.7	.8	.7														13	13	46	88				
77 46			.5															3	3	34	64				
77 45			.2															1	1	17	49				
77 44																				8	40				
77 43																					41				
77 42																					19				
77 41																					3				
TOTAL		1.8	19.9	22.7	21.5	13.1	2.0	3.6	1.0	.3								609		610	609				

Element (X)	Σ x <sup>1</sup>	Σ x	Σ	Σ <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2938258	41578	68.3	12.800	609	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2622077	39809	65.3	6.293	617			33.4	14.3	1.8		93
Wet Bulb	2117041	35799	58.8	4.563	609			5.0				93
Dew Point	1797238	32938	54.1	5.093	609			.3				93

## PSYCHROMETRIC SUMMARY

10.33'      FINTHEN AAF, DL  
STATION      STATION NAME

73-81

YEARS

ALL  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
41 91												.3	.7		.3			3	3					
41 81												.3	.3					4	4					
41 80										.2	.8			.3				9	9					
41 27										1.2		.5						10	10					
41 85									.5	.7	.3	.3						11	11					
41 83							.2	.5	.3	.7	.5							13	13					
41 81							.3	1.0	1.2	1.0	.5	.5	.2					33	23					
41 79						.8	.3	2.5	2.1	.7								39	39					
7 1 77						1.2	3.5	3.3	2.0	1.3	.7	.2						73	73					
41 75					.7	1.0	1.5	2.3	.3	.2								36	36	1				
41 73				.7	.7	1.8	2.8	1.2	.3									45	45					
41 71		.2	.5	.2	1.5	1.6	1.6	1.3	.2									43	43	10				
1 55			.5	.8	1.3	3.5	1.0	.3										50	50	30				
6 1 67			.5	.5	2.8	1.6	1.0	.2										40	40	45				
6 1 65			1.2	1.3	2.0	1.0	.1											46	46	69				
41 63		.7	1.2	1.8	2.5	2.3		.2										52	52	20				
2 1 61		1.3	.7	1.5	1.5	1.5												39	39	46				
2 1 59		2.3	1.3	.8	1.3													35	35	91				
1 57		1.2	.3	.2	.7													14	14	53				
5 1 55		.5	.3	.5	.2													9	9	61				
41 53			.2	.5														4	4	36				
2 1 51																				13				
1 49																				7				
4 1 47																				4				
4 1 45																								
41 43																								
2 1 41																								
41 39																								
TOTAL	6.1	6.6	8.7	15.0	16.3	15.1	13.7	6.9	5.8	3.1	2.0	.5	.3					608	608	608				
																					608		608	



## PSYCHROMETRIC SUMMARY

YEARS

**MONTH**

PAGE 1 1430-2000  
HOURS 11. 5. T.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point															
67 80														.4																2	2				
67 82														.4																5	5				
67 84														.4	.6	.2													7	7					
67 86														.4	.2		.2												10	10					
67 88														.4	.2	.2													6	8					
67 90														.4	.2	.2													4	9					
67 92										.4	.2	.4	.2	1.0	.2	.2													13	13					
67 94										.4	1.4	1.4	1.2	.2	.2														24	24					
67 96										1.0	.2	1.0	1.4	1.0	.2														24	24					
77 98										1.0	2.0	2.2	1.2	.4	.8														41	41					
67 76										.4	1.2	1.0	2.0	1.2	.8														40	40					
67 74										.4	1.8	2.0	1.2	.4	.2														30	30		2			
67 72										.4	.6	1.2	.2	1.0															29	29	10				
67 70										.4	.2	1.4	1.4	.2															33	33	23	1			
67 68										.4	1.4	1.2	1.4	1.0	.4														29	29	31	1			
67 66										.4	1.4	2.0	1.4	2.0	1.0	.2													42	42	45	5			
67 64										.4	1.4	2.4	3.0	2.2															64	64	69	27			
67 62										.4	1.4	2.4	3.0	2.2	.2														35	35	66	14			
67 60										.4	1.2	2.4	1.6	2.2	.2														34	34	64	46			
67 58										.4	1.6	1.6	1.0	.2															13	13	73	76			
67 56										.4	1.6	1.6	.4	.2															10	10	56	54			
67 54										.4	1.6	.4	.2																7	7	47	59			
67 52										.4	1.6	.4	.2																2	2	17	56			
67 50																																			

**JSAFETAC**  
FORM  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/AC

## PSYCHROMETRIC SUMMARY

USE WITH CARE  
SEE INSTRUCTIONS

1	33-	FINTHEN AAF, DL
	STATION	STATION NAME

73-81

YEARS

600

PAGE 1

ALL  
HOURS I. L. S. T.

[illegible]

FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**



2

AL CLIMATOLOGY BRANCH  
METAC  
ATHER SERVICE / MAC

## PSYCHROMETRIC SUMMARY

STATION NAME FINNEN AAF, AL

73-77, 80-81

YEARS

SEP  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
73																																	1	1		
74																																	2	2		
75					1.9	.9																											3	3	1	
76				2.2	2.8	1.2																											6	6	5	3
77				2.4	3.0	1.4	.9																										15	15	7	7
78			2.3	2.9	1.2	1.9																											8	8	14	3
79			2.9	3.5	1.9	2.5																											14	14	4	11
80			2.3	2.9	1.2	1.9	.9	.9	.9																								15	15	14	10
81				6.6	.9																												6	9	17	8
82			.9	4.7	4.7																												11	11	10	13
83			.9	3.8	.9	1.9																											8	8	11	11
84			.9	4.7	2.8																												9	9	9	12
85				3.8																													4	4	11	6
86				1.9																													2	2	3	8
87																																				7
88																																				1
89																																				1
90																																				1
Totals	11	35	7	5	22	5	6	6	1	9																							106	126	176	106
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										Total															
Rel. Hum.	798929		9147		86.3		9.568		106		≤ 0 F		≤ 32 F		= 67 F		= 73 F		= 80 F		= 93 F		Total													
Dry Bulb	309770		5698		53.8		5.753		106						.8								90													
Wet Bulb	285794		5472		51.6		5.619		106														90													
Dew Point	265223		5267		49.7		6.259		106														90													

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
METAC  
A - WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

10 73 FINTHEN AFE.OL

73-81

559

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
7 / 71																		1	1					
6 / 65				.2	.2	.4												4	4					
4 / 63		2.2	.6	.8	.8	.2												21	21	4				
2 / 61		3.1	2.2	.2	.2													28	28	16	4			
7 / 59	1.2	6.3	3.3	1.4														60	60	29	33			
7 / 57	.8	3.1	2.9	.6	.2													37	37	47	31			
5 / 55	1.9	4.3	4.3	1.6	.4													61	61	40	37			
4 / 53	1.6	5.7	4.1	1.2	.2													63	63	48	36			
2 / 51	1.2	6.9	3.3	.6														59	59	67	48			
5 / 49	1.6	6.7	2.7	.2														55	55	75	57			
4 / 47	2.2	4.5	2.9	.6														50	50	68	70			
4 / 45	1.4	3.5	.8															28	28	51	78			
4 / 43	.6	2.7																16	17	27	30			
2 / 41	.4	1.0																7	7	15	44			
6 / 39																					1			
2 / 37																					6			
5 / 35																					1			
TOTAL	14.150	027.1	7.6	1.9	.2	.2												490	491	490	490			

GLOBAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

10-335 FINTHEN AAF, DL

73-61

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
1 / 70									.2									1	1															
7 / 72								.4										2	2															
3 / 73								.2										2	2															
4 / 73					.4	.2		.4										5	5															
7 / 71			.2	.6	.2													5	5															
1 / 69			.6	1.0	.2	.2	.2	.2										15	15															
1 / 67			.6	.2	1.2	.6												13	13	2														
6 / 65			1.2	1.4	1.2	.6												21	21	11	1													
4 / 63		1.6	2.2	2.6	1.4	1.6	.4											50	50	16	3													
2 / 61		3.4	2.8	3.0	1.6	.4	.2											57	57	32	15													
1 / 59	.6	5.4	4.4	4.4	2.4	.8	.2											91	91	44	44													
1 / 57	.4	2.4	3.0	3.2	1.6													53	53	62	33													
5 / 55	1.2	2.0	3.6	3.2	1.2													56	56	71	47													
4 / 53		2.4	3.6	3.6	.6													51	51	51	39													
2 / 51	.4	1.6	3.8	.4	.2													32	32	69	45													
1 / 49	.6	1.2	2.6	.4														25	25	60	64													
1 / 47	.2	1.0	1.0															11	11	52	57													
4 / 45	.2	1.0	.2															7	7	22	67													
4 / 43		.4																2	2	7	33													
2 / 41	.2	.4																3	3	3	45													
40 / 3																					7													
2 / 31																					2													
1 TPL	7.822	730	123	712	.2	5.2	1.0	1.2	.2									502		502	502													

GLOBAL CLIMATOLOGY BRANCH  
COMETAC  
ATMOSPHERIC SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1 335	FINTHEN AAF, DL
STATION	STATION NAME

73-81

**YEARS**

S F P  
MONTH

PAGE 1      1200-1400  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

11.333	FINTHEN AAF, DL
STATION	STATION NAME

73-81

**YEAR**

**SELF**  
**MONTH**

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]

2

**YEARS**

73-81

SEP  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

2

USE WITH CAUTION  
SEE FIRST PAGE

73-21

YEARS

SEP  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1-335 FINTHEN AAF, DL  
STATION STATION NAME

73-77

YEARS

OCT  
MONTH

PAGE 1

3300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	Dry Bulb	Wet Bulb	Dew Point														
61				1.1			1.1											2		2														
59		1.1	1.1															2		2														
57		1.1	2.1															3		3								1					1	
55	2.1	1.1	1.1															4		4								5					2	
53	2.1	2.1	1.1															5		5								5					4	
51	1.1	4.3																5		5								6					5	
49	1.1	4.3	2.1															7		7								7					5	
47	2.1	3.2	2.1	1.1														8		8								5					8	
45	2.1	1.7	1.1															14		14								15					5	
43	4.3	1.6	1.1															15		15								15					14	
41	3.2	7.4																16		16								13					20	
39	3.2	3.2																6		6								6					11	
37	2.1	4.3																6		6								5					6	
35	3.2	2.1																5		5								7					6	
33		1.1																1		1								2					3	
31																													1					2
27	1.1																	1		1								1					2	
TOTAL	27.757	4.117	2.1				1.1											94		94								94					94	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.	766126	8942	89.8	9.253	98	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	200569	4296	45.7	6.782	98		1.0					93
Wet Bulb	187668	4160	44.3	6.192	98		2.0					93
Dew Point	175500	4220	42.8	6.205	98		8.0					93





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

10335 FINTHEN AAF, DL  
STATION STATION NAME

73-81

**YEARS**

CCI  
MONTH

PAGE 1 3923-1110  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
CAFETAC  
AIR LEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

100335	FIFTHEN AAF, DL
STATION	STATION NAME

73-81

YEARS

  OCT    
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
ATTN: WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1-335 FINTHEN AAF, DL STATION NAME

73-81 YEARS

OCT MONTH

PAGE 1 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
81									.2								1	1		
79									.4								2	2		
77							.4	.4	.7								4	8		
75							.2	.2	.4								4	4		
73							.2	.4	.2	.2							8	8		
71								.5	.4								8	8		
69			.4			.5	.4		.4								9	9		
67						.5		.2									4	4	2	
65				.2	.7	1.1	.4	.4									15	15	7	
63		.2	.2	1.6	.9	1.4	.4										26	26	11	
61			.2	1.6	1.2	.5	.5										23	23	15	4
59			.7	1.8	2.1	.7	.4										32	32	18	5
57		.5	1.3	2.1	1.4	.5	.4										38	38	20	11
55		1.4	2.3	3.2	2.1	1.1											57	57	29	13
53		.5	3.2	3.3	1.1	.5											47	47	46	27
51	.2	3.7	5.0	1.1	.7	.2		.2									62	62	48	32
49	.2	.5	4.6	1.8	.2												41	41	72	24
47	.2	3.7	3.7	1.4	.2		.2										53	53	53	61
45	.5	5.3	3.7	.9	.5												62	62	85	75
43		3.4	1.4		.2												26	28	45	90
41	.5	3.0	.4														22	22	53	82
39	1.2	.9															12	12	15	66
37		.2															1	1	11	36
35																			1	17
33																				7
31																				7
27																				4
21																				1
15																				1
TOTAL	2.3	23.4	27.7	19.2	13.3	6.4	1.3	1.8	1.1								563	563	563	
																		563	563	
Element (X)	Σx'	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.	3037640	41560	72.0	14.339	563	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb	1465112	30250	53.7	8.413	563			7.3	3.8	.2										
Wet Bulb	1367610	27528	48.9	6.203	563			.3												
Dew Point	1127724	24958	44.3	6.160	563		2.3													

USAFETAC FORM 44 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SI-MAL CLIMATOLOGY BRANCH  
AFETAC  
A BATHUR SERVICE/AC

## PSYCHROMETRIC SUMMARY

10 33	FINTHEN ANF, DL
STATION	STATION NAME

73-61

YEARS

05  
MONTHS

PAGE 1

1800-2000  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
METAC  
FATHER SERVICE/ AC

## PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

1	334	FINTHEN AAF, DL
STATION		STATION NAME

73-61

**YEARS**

001  
MONTH

PAGE 1

ALL  
MOHNS (L.S.Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point								
1 / 21									.1									1	1									
1 / 22									.1									2	2									
7 / 77						.1	.1	.2										9	9									
15 / 75						.2	.1	.2	.1									6	6									
47 / 7						.2	.2	.2	.1									13	13									
1 / 71					.1		.2	.1										11	11									
17 / 69			.1	.2	.1	.3	.2	.1	.2									19	19									
17 / 67				.2	.1	.1	.1	.1										18	18									
67 / 65				.3	.5	.3	.2	.2										39	39		7							
147 / 63		.2	.2	1.0	1.0	.5	.1											80	80		15							
17 / 61		.1	.4	.2	.2	.3	.2											65	65		5							
1 / 59		.4	1.2	1.5	.5	.6	.1											132	132		7							
7 / 57	.2	.7	1.5	1.6	.7	.1	.1											138	138		30							
5 / 55	.2	1.3	2.3	2.0	.2	.4												197	197		50							
47 / 53	.4	1.5	2.7	1.8	.4	.2	.5											198	198		126							
27 / 51	.5	3.4	3.7	.9	.6	.1	.2	.2										262	262		122							
57 / 49	.6	2.9	5.0	.8	.2	.2												274	274		154							
1 / 47	.5	4.7	3.4	1.0	.2		.2											276	277		260							
47 / 45	1.8	7.7	3.5	1.2	.2	.2												407	407		422							
47 / 43	.8	5.8	1.6	.0	.1													235	236		390							
27 / 41	.8	5.7	.6	.2	.2													212	212		430							
5 / 39	1.9	2.7	.1	.2	.2													137	137		324							
17 / 37	.5	1.1	.2	.0														52	52		216							
1 / 35	.5	.6	.2															37	37		138							
3 / 33	.2	.2	.1															12	12		64							
27 / 31																					33							
1 / 29	.2																	1	1		19							
27 / 27	.1																	4	4		23							
1 / 25																					7							
17 / 23																					3							
27 / 21																					2							
257 / 19																					2							
TOTAL	8.9	38.7	27.0	13.1	7.0	3.0	1.6	.5	.3									2837	2839		2837							
Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>g</sub>	X	C <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature																						
Rel. Hum.	1449218	225566	79.5	13.473	2837	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																
Dry Bulb	7248882	141758	49.9	7.753	2839		1.3	20.7	8.1	.3	744																	
Wet Bulb	6278735	132333	46.6	6.114	2837		4.2	.5	744																			
Dew Point	5453205	123201	43.4	6.027	2837		23.3	744																				

CLIMATE CLIMATOLOGY BRANCH  
METAC  
AIR FATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1733	FINTHEN AAF, OL
STATION	STATION NAME

73-78

YEARS

0.0  
MONTH

PAGE 1 2300-0500  
HOURS (L. S. T.)

[illegible]







GLOBAL CLIMATOLOGY BRANCH  
SAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

10 335 FINTHEN AAF, DL

73-E1

YEARS

NOV  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
GEFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1 335	FINTHEN AAF, DL
STATION	STATION NAME

73-81

YEARS

NOV  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]

2

CLERICAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

1 335 FINTHEN AAF, DL  
STATION STATION NAME

73-61

YEARS

NOV  
MONTH

PAGE 1

ALL  
HOURS (C, S, T, I)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31					Dry Bulb	Wet Bulb	Dew Point
2 / 61				.1		.1															6	6		
1 / 59		.1	.4	.2	.2																26	26		
1 / 57		.3	.5	.3	.2	.2															33	33	3	2
5 / 55		.2	1.1	.5	.2																50	50	21	1
4 / 51		.6	1.1	1.1	.1																73	78	29	11
2 / 51		.9	1.0	.8	.1																74	74	67	15
4 / 49	.0	1.6	1.8	.6	.3																111	111	79	53
4 / 47	.2	1.9	2.8	.6	.1																146	146	131	63
4 / 45	.6	6.3	3.3	.5	.1																254	284	223	154
4 / 43	.9	7.2	7.6	1.1	.1																339	339	303	134
2 / 41	1.3	9.6	4.5	.6																	422	422	307	914
4 / 39	1.3	6.0	1.6	.3	.2																240	241	307	258
3 / 37	2.2	5.3	1.0	.2																	229	229	332	317
2 / 35	1.0	4.4	1.2	.0																	174	174	230	262
3 / 33	1.0	2.6	.8																		138	138	208	268
2 / 31	.9	2.3	.6	.0																	101	101	165	181
0 / 29	.8	2.2	.3																		86	86	93	151
0 / 27	1.0	1.1	.4																		67	67	80	164
0 / 25	.4	.5																			25	25	46	76
2 / 23	.0	.2																			5	5	8	57
2 / 21	.2	.0																			5	5	6	27
0 / 19																							1	15
1 / 17																								11
1 / 15																								2
1 / 13																								1
TOTAL	12.2	53.2	26.0	7.0	1.4	.2															2639	2640	2639	2639
Element (X)	Σ x'		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	18502725		219201		83.1		10.582		2639		= 0 F		= 32 F		= 67 F		= 73 F		= 80 F		= 93 F		Total	
Dry Bulb	4682682		109604		41.5		7.080		2640				78.8										720	
Wet Bulb	4194312		103839		39.3		6.912		2639				108.9										720	
Dew Point	3697349		96501		36.6		6.708		2639				187.8										720	

REPLACE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

## PSYCHROMETRIC SUMMARY

73-17

YEARS

DEC  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
JAFETAC  
AND WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

10-335	FINTHEN AAF, DL
STATION	STATION NAME

73-91

**YEARS**

050

MONTH

PAGE 1

0600-0800  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEAR

DEC  
MONTH  
0900-1100  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
 SAFETAC  
 AFB LEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

10.339	FINTHEN AAF, DL
STATION	STATION NAME

73-81

YEARS

DEC  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

2

73-81

YEARS

DEC  
MONTH

PAGE 1 1530-1730  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
1 / 57				.2														1	1					
5 / 55			.8															4	4					
4 / 53			.6	.4														5	5					
2 / 51			1.8	.4														11	11	5				
5 / 49		1.2	1.4	.6														15	15	5				
6 / 47		1.6	1.8	.2														14	18	21				
4 / 45	.2	3.3	3.3	.6	.2													39	39	26				
14 / 43	1.0	3.5	1.4	.8	.4													36	36	28				
2 / 41	.2	3.9	3.7	1.6														45	45	40				
41 / 39		4.3	3.1	1.2	.2													44	44	26				
3 / 37	1.0	2.4	2.5	.4														63	63	46				
1 / 35	1.2	5.3	4.5															55	55	69				
34 / 33	3.5	6.5	.8	.6														58	58	76				
2 / 31	3.3	3.3	1.4	.4														43	43	78				
4 / 29	1.4	2.2	.6															21	21	24				
1 / 27	2.7	2.6	.8															28	28	29				
1 / 25		1.4																7	7	13				
24 / 23		1.4																7	7	12				
2 / 21	.8	.4																6	6	8				
24 / 19	.2	.8																5	5	3				
1 / 17																				4				
1 / 15																								
1 / 11																				3				
TOTAL	15.342	128.4	6.5	.8														511	511	511				

0-26-5 (OL A)

**USAFETAC**

AD-A134 208 FINTEN AAF GERMANY (WEST) LIMITED SURFACE OBSERVATIONS 4/4  
CLIMATIC SUMMARY (..U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. 05 AUG 83  
UNCLASSIFIED USAFETAC/DS-83/036 SBI-AD-E850 426 F/G 4/2 NL

FINTHEN AAF GERMANY (WEST) LIMITED SURFACE OBSERVATIONS

4/4

CLIMATIC SUMMARY (..(U) AIR FORCE ENVIRONMENTAL

TECHNICAL APPLICATIONS CENTER SCOTT A. 05 AUG 83

05 AUG 83

21

UNCLASSIFIED

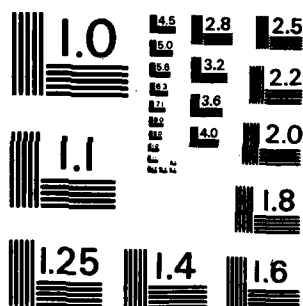
USAFETAC/DS-83/036 SBJ-AD-E850 426

AUG 83  
F/G 4/2

21

END  
DATE  
FILMED  
28

25



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
/IP LEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1 4335 FINTHEN AAF,OL

73-81

DEC

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

1800-2000

100.000  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
GSAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

1 - 335      FINTHEN AAF, DL

73-81

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

106335 FINTHEN AAF,DL

73-81

STATION		STATION NAME												YEARS	
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
3-05	MEAN	36.0	35.0	37.8	41.9	49.8	56.2	58.5	59.0	53.8	45.7	39.3	34.6	47.2	
	S D	7.445	5.071	7.314	6.474	5.995	6.416	5.431	4.937	5.753	6.742	7.053	6.762	10.972	
	TOTAL OBS	74	68	77	114	112	121	126	122	106	94	93	83	1190	
6-08	MEAN	33.1	34.1	39.2	42.5	51.1	58.3	59.5	59.5	53.6	45.4	38.9	34.2	45.9	
	S D	8.145	5.364	6.941	6.319	6.431	6.248	5.669	5.162	5.440	6.151	7.074	7.724	11.768	
	TOTAL OBS	566	510	581	554	533	535	581	585	491	563	527	520	6546	
9-11	MEAN	33.9	35.6	42.1	47.7	56.3	63.3	64.7	65.3	58.4	48.4	40.5	35.0	49.5	
	S D	7.858	5.176	6.922	7.772	7.764	7.796	7.289	6.293	6.107	6.458	6.928	7.506	13.532	
	TOTAL OBS	584	516	591	556	554	554	599	610	502	576	525	592	6711	
12-14	MEAN	35.9	39.4	46.9	53.0	62.2	68.1	69.5	71.4	64.4	52.6	43.5	37.3	53.9	
	S D	6.873	5.723	7.259	9.583	9.509	9.486	8.931	8.392	7.595	7.600	6.621	7.264	14.974	
	TOTAL OBS	583	512	573	560	552	559	600	608	497	567	531	539	6676	
15-17	MEAN	36.8	40.9	49.0	54.9	65.0	70.5	72.1	74.0	66.1	53.7	43.7	37.6	55.5	
	S D	6.955	6.367	8.043	10.674	10.563	10.244	10.080	9.583	8.758	8.413	6.609	7.173	15.922	
	TOTAL OBS	581	515	594	554	531	534	584	586	483	563	525	511	6561	
18-20	MEAN	34.7	38.4	46.1	51.6	62.3	68.5	69.8	70.5	62.0	50.4	41.4	36.0	53.0	
	S D	6.866	5.873	7.589	9.519	9.948	10.040	9.458	9.228	7.918	6.794	6.912	7.190	15.355	
	TOTAL OBS	505	458	523	490	484	464	505	507	390	476	439	344	5585	
	MEAN														
	S D														
	TOTAL OBS														
	MEAN														
	S D														
	TOTAL OBS														
ALL HOURS	MEAN	34.9	37.6	44.5	49.6	59.0	65.2	66.7	67.7	60.5	49.9	41.5	36.0	51.4	
	S D	7.488	6.233	8.223	9.946	10.288	9.956	9.563	9.450	8.860	7.783	7.080	7.482	14.676	
	TOTAL OBS	2893	2579	2939	2828	2766	2769	2995	3018	2469	2839	2640	2534	33269	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

106335 FINTHEN AAF, DL

73-81

STATION		STATION NAME												YEARS											
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
03-05	MEAN	34.7	33.5	35.7	39.3	46.4	52.7	54.9	55.8	51.6	44.3	37.8	33.6	44.8											
	S D	7.093	4.848	6.626	5.829	5.392	5.636	4.575	4.680	5.619	6.192	6.658	6.365	10.065											
	TOTAL OBS	74	68	77	114	112	121	126	122	106	94	93	83	1190											
06-08	MEAN	32.1	32.7	37.2	39.6	47.3	54.1	55.6	56.0	51.3	43.8	37.5	33.1	43.5											
	S D	7.711	5.011	6.475	5.662	5.699	5.243	4.502	4.557	5.148	5.748	6.744	7.328	10.636											
	TOTAL OBS	564	509	581	554	533	535	581	585	490	562	527	520	6592											
09-11	MEAN	32.6	33.8	39.3	42.5	50.0	56.5	58.1	58.8	54.0	45.7	38.7	33.7	45.5											
	S D	7.473	4.702	6.193	6.043	5.903	5.539	4.752	4.563	5.219	5.555	6.391	7.127	11.214											
	TOTAL OBS	584	516	591	556	554	556	599	609	502	575	525	542	6709											
12-14	MEAN	34.1	36.3	42.1	45.0	52.7	58.3	59.8	61.0	56.9	48.1	40.6	35.3	47.7											
	S D	6.461	4.718	6.002	6.560	6.266	5.818	5.177	4.960	5.465	5.785	5.899	6.764	11.274											
	TOTAL OBS	583	512	572	560	552	559	600	608	497	567	531	534	6675											
15-17	MEAN	34.7	37.3	43.0	46.0	54.0	59.3	60.8	61.8	57.7	48.9	40.9	35.5	48.4											
	S D	6.484	4.971	6.343	6.826	6.318	5.857	5.279	5.077	5.941	6.203	5.918	6.565	11.460											
	TOTAL OBS	581	510	594	553	531	534	584	586	483	563	525	511	6559											
18-20	MEAN	33.0	35.7	41.5	44.2	52.6	58.5	59.7	60.4	55.5	47.1	39.3	34.3	47.1											
	S D	6.578	4.885	6.164	6.312	6.413	5.730	5.128	5.168	5.660	5.792	6.408	6.847	11.454											
	TOTAL OBS	505	458	523	490	484	464	505	507	390	476	428	344	5584											
	MEAN																								
	S D																								
	TOTAL OBS																								
	MEAN																								
	S D																								
	TOTAL OBS																								
ALL HOURS	MEAN	33.3	35.1	40.5	43.3	51.1	57.1	58.6	59.4	54.9	46.6	39.3	34.3	46.3											
	S D	7.035	5.141	6.630	6.700	6.598	5.998	5.328	5.312	5.976	6.114	6.412	6.978	11.306											
	TOTAL OBS	2892	2577	2938	2827	2764	2769	2995	3017	2468	2837	2639	2534	33258											



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

106335 FINTHEN AAF, DL

73-81

STATION		STATION NAME												YEARS											
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
3-05	MEAN	32.7	31.0	32.7	35.7	42.8	49.6	52.0	53.2	49.7	42.8	35.8	31.7	42.2											
	S D	7.257	5.470	7.003	6.462	6.290	6.295	5.441	5.447	6.259	6.205	6.976	6.714	10.300											
	TOTAL OBS	74	68	77	114	112	121	126	122	106	94	93	83	1190											
06-08	MEAN	30.2	30.3	34.6	35.9	43.3	50.8	52.5	53.2	49.3	42.2	35.6	31.2	40.8											
	S D	7.805	5.531	6.917	6.247	6.729	5.685	5.076	5.003	5.616	5.962	7.083	7.784	10.600											
	TOTAL OBS	564	509	581	554	533	535	581	585	490	562	527	520	6591											
09-11	MEAN	30.4	30.9	35.6	36.4	44.0	51.2	53.2	54.1	50.4	43.0	36.3	31.3	41.5											
	S D	7.856	5.118	6.657	6.544	6.875	5.988	5.176	5.093	5.920	5.802	6.598	7.767	10.779											
	TOTAL OBS	584	516	591	556	554	556	599	609	502	575	525	542	6709											
12-14	MEAN	31.1	31.9	36.3	36.3	44.1	51.0	52.9	53.8	51.1	43.9	37.2	32.2	42.0											
	S D	7.085	5.253	6.750	6.827	7.285	6.174	5.486	5.557	6.178	5.929	6.384	7.397	10.544											
	TOTAL OBS	583	512	572	560	552	559	608	608	497	567	531	534	6675											
15-17	MEAN	31.4	32.1	35.9	36.3	44.5	51.2	53.0	53.5	51.3	44.3	37.4	32.4	42.0											
	S D	7.220	5.502	7.489	7.022	7.025	6.240	5.321	5.899	6.431	6.160	6.481	7.143	10.582											
	TOTAL OBS	581	514	594	553	531	534	584	586	483	563	525	511	6559											
18-20	MEAN	30.2	31.7	35.8	35.9	44.0	51.3	52.5	53.3	50.3	43.9	36.5	31.6	41.6											
	S D	7.441	5.472	7.006	6.684	7.518	5.955	4.980	5.612	6.201	6.031	6.787	7.600	10.637											
	TOTAL OBS	505	458	523	490	484	464	505	507	390	476	438	344	5584											
	MEAN																								
	S D																								
	TOTAL OBS																								
	MEAN																								
	S D																								
	TOTAL OBS																								
ALL HOURS	MEAN	30.7	31.4	35.6	36.2	43.9	51.0	52.8	53.6	50.8	43.4	36.6	31.7	41.6											
	S D	7.496	5.415	7.004	6.660	7.060	6.031	5.233	5.443	6.128	6.027	6.704	7.522	10.634											
	TOTAL OBS	2891	2577	2938	2827	2764	2769	2995	3017	2468	2437	2439	2534	33258											

## RELATIVE HUMIDITY

JAN  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	97.3	78.4	43.2	87.7	74
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	97.7	84.0	48.4	89.3	564
	09-11	100.0	100.0	100.0	100.0	100.0	99.5	94.5	81.5	41.6	87.4	584
	12-14	100.0	100.0	100.0	100.0	99.8	97.8	83.9	67.1	24.2	83.0	583
	15-17	100.0	100.0	100.0	99.8	99.1	96.4	79.2	57.7	21.0	81.0	581
	18-20	100.0	100.0	100.0	99.8	99.8	97.8	88.3	68.5	27.1	83.8	505
	21-23											
TOTALS		100.0	100.0	100.0	99.9	99.8	98.6	90.2	72.9	34.3	85.4	2891

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FEB  
MONTH

## D

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## RELATIVE HUMIDITY

MAR

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02											
	03-05	100.0	100.0	100.0	100.0	98.7	94.0	89.6	62.3	29.9	82.5	77
	06-08	100.0	100.0	100.0	100.0	99.8	97.6	90.0	68.3	25.6	83.9	581
	09-11	100.0	100.0	100.0	100.0	99.2	93.7	73.8	46.4	12.7	76.3	591
	12-14	100.0	100.0	99.8	98.1	88.8	69.4	42.1	17.5	2.1	67.5	572
	15-17	100.0	100.0	98.3	92.4	77.1	53.5	31.0	14.5	3.2	62.6	594
	18-20	100.0	100.0	99.6	97.1	89.1	68.1	46.5	24.5	6.5	68.9	523
	21-23											
TOTALS		100.0	100.0	99.6	97.9	92.1	79.5	62.2	38.9	13.3	74.0	2938

11-335 FINTHEN AAF, DL 73-81 APR

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02											
	03-05	100.0	100.0	100.0	100.0	98.2	92.1	75.4	56.1	15.8	79.4	114
	06-08	100.0	100.0	100.0	99.8	98.9	91.3	71.5	48.4	10.8	78.3	554
	09-11	100.0	100.0	100.0	96.4	85.1	61.7	38.3	21.8	4.0	66.7	556
	12-14	100.0	100.0	95.0	82.7	57.3	33.8	18.8	8.9	1.8	55.6	560
	15-17	100.0	99.1	90.2	71.4	48.1	32.0	20.4	7.4	2.4	52.7	553
	18-20	100.0	99.8	95.3	81.4	61.4	40.8	23.7	12.9	3.3	57.8	490
	21-23											
TOTALS		100.0	99.8	96.8	88.6	74.8	58.6	41.4	25.9	6.4	65.1	2827

MAY  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02											
	03-05	100.0	100.0	100.0	100.0	96.4	84.8	79.5	42.0	17.0	77.7	112
	06-08	100.0	100.0	100.0	99.1	94.4	85.7	71.7	36.8	11.8	75.7	533
	09-11	100.0	99.8	99.1	95.7	83.4	57.6	39.7	17.9	5.6	65.2	554
	12-14	100.0	99.6	93.7	76.6	53.8	32.4	19.4	9.8	2.5	54.3	552
	15-17	100.0	99.2	87.4	67.0	45.2	28.2	17.1	7.9	3.2	50.8	531
	18-20	100.0	100.0	90.5	74.8	59.3	39.1	20.9	10.3	2.5	54.2	444
	21-23											
TOTALS		100.0	99.8	95.1	85.5	71.3	53.8	41.4	28.8	7.1	63.0	2766

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FINTHEN AAF,DL

STATION NAME

**73-81**

PERIOD

**JUN**  
**MON**

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## RELATIVE HUMIDITY

106335  
STATION

FINTHEN AAF, DL

73-01

JUL  
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02											
	03-05	100.0	100.0	100.0	97.6	96.0	91.3	84.1	55.6	13.5	80.0	126
	06-08	100.0	100.0	99.7	97.8	96.7	93.3	80.0	50.4	11.2	78.5	581
	09-11	100.0	100.0	98.5	96.3	89.5	68.8	45.2	22.4	4.5	67.9	599
	12-14	100.0	99.8	96.2	87.8	66.8	37.8	22.3	10.7	2.7	57.8	600
	15-17	100.0	99.0	93.8	78.1	50.0	30.8	20.5	8.9	1.2	53.8	584
	18-20	100.0	100.0	96.6	84.4	59.8	35.0	24.6	11.1	2.0	56.8	505
	21-23											
TOTALS		100.0	99.8	97.5	90.3	76.5	59.5	46.1	26.5	5.9	65.8	2995



## 44

73-81

AUG  
MONTH

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFC WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

1 6335 FINTHEN AAF, DL

STATION NAME

73-81

PERIOD

SEP  
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	99.1	94.3	72.6	36.8	86.3	106
	06-08	100.0	100.0	100.0	100.0	100.0	98.6	94.1	70.2	33.7	85.7	490
	09-11	100.0	100.0	100.0	100.0	97.0	87.3	68.3	36.1	13.1	75.8	502
	12-14	100.0	100.0	99.8	94.8	81.5	53.5	35.4	14.5	5.0	63.7	497
	15-17	100.0	100.0	99.2	91.5	72.5	50.1	29.0	9.9	3.1	61.0	483
	18-20	100.0	100.0	99.2	94.4	86.9	68.5	45.9	19.0	5.6	67.4	390
	21-23											
TOTALS		100.0	100.0	99.7	96.8	89.7	76.2	61.2	37.1	16.2	73.3	2468

## RELATIVE HUMIDITY

1 4335 FINTHEN AAF, DL  
STATION STATION NAME

73-81

OCT  
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02											
	03-05	100.0	100.0	100.0	100.0	98.9	98.9	97.9	87.2	51.1	89.8	94
	06-08	100.0	100.0	100.0	100.0	99.6	99.1	96.4	83.5	46.3	88.7	562
	09-11	100.0	100.0	100.0	99.8	99.3	95.7	88.0	56.7	27.3	82.4	575
	12-14	100.0	100.0	100.0	99.3	93.8	80.8	65.1	32.1	12.2	73.7	567
	15-17	100.0	100.0	99.8	98.8	90.6	78.7	60.4	29.1	8.2	72.0	563
	18-20	100.0	100.0	100.0	100.0	98.9	93.9	81.1	46.4	13.0	78.9	476
	21-23											
TOTALS		100.0	100.0	100.0	99.7	96.9	91.2	81.5	55.8	26.4	80.9	2837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

104335  
STATION

FINTHEN AAF.DL

STATION NAME

73-81

PERIOD

NOV  
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	98.9	95.7	82.8	37.6	87.3	93
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	96.4	86.0	41.4	88.1	527
	09-11	100.0	100.0	100.0	100.0	100.0	99.0	93.1	75.0	26.7	85.3	525
	12-14	100.0	100.0	100.0	100.0	99.6	94.0	74.8	47.5	18.8	79.2	531
	15-17	100.0	100.0	100.0	100.0	99.0	93.3	75.8	45.3	17.9	79.1	525
	18-20	100.0	100.0	100.0	100.0	100.0	99.3	88.1	61.0	22.4	82.9	438
	21-23											
TOTALS		100.0	100.0	100.0	100.0	99.8	97.4	87.3	66.3	27.5	83.7	2639

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**FOOTNOTES**

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART F

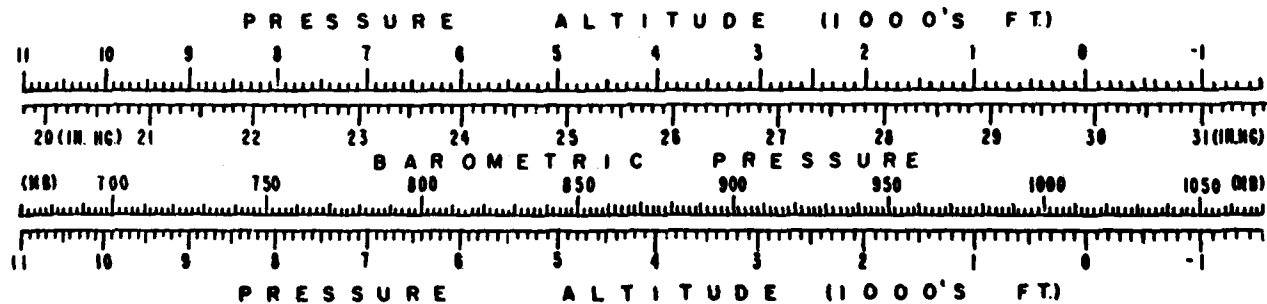
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.  
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

106335 FINTHEN AAF, DL

73-81

STATION	STATION NAME	YEARS											
HRS IL ST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN												
	S D												
	TOTAL OBS												
04	MEAN												
	S D												
	TOTAL OBS												
07	MEAN	29.181	29.116	29.115	29.136	29.147	29.213	29.181	29.236	29.236	29.177	29.214	29.174
	S D	.322	.351	.269	.201	.203	.152	.147	.147	.206	.270	.294	.390
	TOTAL OBS	192	168	195	183	172	182	195	195	166	187	176	2193
10	MEAN	29.195	29.140	29.130	29.147	29.153	29.214	29.191	29.246	29.255	29.200	29.229	29.133
	S D	.319	.357	.275	.205	.196	.154	.149	.148	.203	.273	.300	.391
	TOTAL OBS	194	172	197	188	182	189	202	203	167	192	176	2291
13	MEAN	29.200	29.141	29.127	29.141	29.143	29.213	29.182	29.235	29.238	29.191	29.214	29.123
	S D	.328	.347	.272	.197	.191	.144	.145	.146	.204	.269	.296	.395
	TOTAL OBS	195	169	191	187	184	183	200	202	164	189	177	2219
15	MEAN	29.188	29.123	29.097	29.113	29.127	29.192	29.160	29.220	29.218	29.191	29.211	29.110
	S D	.331	.339	.261	.196	.183	.151	.140	.142	.201	.258	.287	.386
	TOTAL OBS	195	171	199	180	177	176	200	197	162	187	175	2196
19	MEAN	29.196	29.147	29.098	29.110	29.128	29.180	29.187	29.220	29.228	29.186	29.208	29.102
	S D	.332	.334	.266	.200	.175	.152	.148	.140	.192	.259	.301	.377
	TOTAL OBS	177	156	189	171	171	166	185	181	192	170	160	1978
22	MEAN												
	S D												
	TOTAL OBS												
ALL HOURS	MEAN	29.192	29.133	29.113	29.130	29.140	29.203	29.178	29.231	29.236	29.189	29.215	29.121
	S D	.326	.345	.268	.200	.190	.152	.145	.145	.201	.266	.295	.388
	TOTAL OBS	953	836	966	989	886	896	982	978	801	925	854	10827

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LME